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ABSTRACT

This publication presents a summary of the research obtained from senior high schools in Minnesota that used the Minnesota Secondary School Follow-Up System to collect data on the class of 1987. Data were collected from 84 high schools, plus a sampling of Minneapolis, with responses received from 10,705 students (76.8% of those surveyed). Of the total sample of 13,945, 13,165 students were graduates, 360 were classified as dropouts, and 420 were defined as having left high school without a diploma but not classified as dropouts. The report is organized in five chapters, all of which consist largely of data tables. The first chapter introduces the study and reports on the methodology and population. Chapter 2 presents a summary of activities for all respondents, as well as comparative data from the classes of 1977-1981 and 1983-1986 (data from the class of 1982 and career planning data from the class of 1983 were not available). Chapter 3 compares the plans versus the actual activities of the class of 1987. The data were collected via the Career Planning Survey component of the Follow-Up System, administered to seniors about 1 month prior to graduation. Chapter 4, a summary of the class by curriculum area, shows the potential relationships between the amount of coursework taken and post-high school employment and educational activities. Chapter 5 presents information collected by a survey of employers of members of the class of 1987. Appendices list participating schools and industry and occupational categories used and include the questionnaires. (KC)

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FOLLOW-UP 88

Minnesota High School Follow-Up
Class of 1987: One Year Later

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BE SOMEBODY ***A STAR***

CG053832

by
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May, 1989

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The contributions of the participating local education agencies, local project directors and clerical staff for making special efforts to accurately collect and code the student data for 14,000 former students is deeply appreciated.

Special thanks are extended to those who have helped make the system work -- to John Ferguson who coordinated the interrelationship between the micro and the mainframe computers to generate reports.

Michelle Day who has supported all phases of the system, deserves a very special recognition. She has been responsible for the careful typing and diagramming of this report, in addition to generating local and State data as requested.

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Chapter 1:

INTRODUCTION

At the end of each school year, about 60,000 students graduate from high schools in Minnesota. Additionally, there are several thousand students who leave without diplomas. Based upon the assumption that a high school education is a means to some future end rather than an end in and of itself, it is important to identify "what happens" to students after they leave high school.

This information, along with other data (i.e., economic, school programs, etc.), may be used to improve student services. It can also enhance curriculum development, program planning, and evaluation efforts.

This publication presents a summary of the research obtained from senior high schools in Minnesota which utilized the Minnesota Secondary School Follow-Up System to collect data on the class of 1987. There were 84 high schools, plus a sampling of Minneapolis, collecting information from 13,945 students. Of this total; 13,165 students were graduates, 360 were classified as dropouts and 420 were defined as having left high school without a diploma but not classified as dropouts.

BASIC MODEL

The Minnesota Secondary School Follow-Up System is a data collection and reporting system to be used by local education agencies (LEAs) to gather information from present and former students.

The System was originally developed by the Minnesota Research and Development Center for Vocational Education, at the University of Minnesota, under contract with the Minnesota State Department of Education, Division of Vocational-Technical Education.

The Follow-Up System, initiated in 1972, was designed to provide useful information for the State and LEAs in areas such as curriculum development, program planning, evaluation, guidance and counseling. The System has been adapted to help LEAs meet both State and Federal reporting requirements, as these requirements relate to the post-high school activities of former students.

Although the System was developed under grant by the Vocational Division and provides information for vocational reporting, it does provide equally valuable information on all former students in all program areas.

In 1982 the University's direct involvement in the System terminated. A group of local administrators concerned that this proven data collection might no longer be available, approached the State Department of Education to maintain it.

Under grants from the State Department of Education a joint project intended to maintain the System was initiated. The University developed a software program to be used by LEAs for data entry utilizing an Apple II system. The Mounds View Schools have developed software to read the Apple data disks into a Burroughs mainframe for processing local and State reports.

The System is designed as a decentralized data collection operation, (See Figure 1). That is, the LEA is provided a common set of instruments and procedures in regional training sessions. Actual data collection and data entry are then carried out independently by the LEA. The data disks are submitted to the Mounds View Schools for data analysis and report generation. The service is provided under a grant with the State Department of Education.

Although most districts have utilized the System to conduct one-year follow-up studies, the procedures and programs can be used identically to conduct others--typically three and five-year studies. Follow-up forms are available upon request to the local project directors for such studies. Processing is provided without charge to the local district, as per the one-year plan.

The selection of this decentralized model was based on the following factors/assumptions:

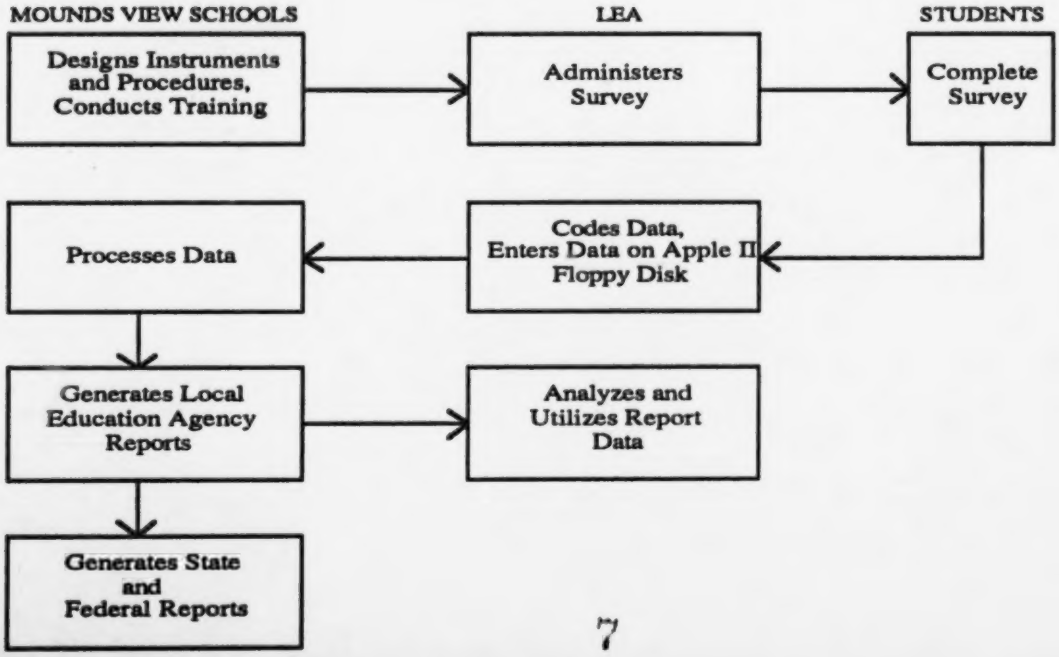
1. Local district participation maximizes the possibility that the data will be appropriate, and therefore used;
2. Students are more likely to respond to a questionnaire from the high school as compared to a central state agency; and
3. The large number of school districts involved would make centralized data collection costs prohibitive.

In addition to these factors, several goals were established for the system. The goals are that the system will:

1. Provide information necessary to meet local, state, and federal reporting requirements;
2. Provide data which will be useful in assisting local and state personnel in planning and evaluating educational programs;
3. Provide a basis for the comparisons of plans prior to leaving high school with actual activities one year later;
4. Produce a high rate of response;
5. Be of reasonable cost; and
6. Provide consistent information across schools.

The data collected from the Class of 1987 are reported in the following chapters. Chapter 2 presents a summary of activities for all respondents, as well as comparative data from the classes of 1977-1981 and 1983-1986. Because the system was interrupted for 2 years, follow-up data are unavailable for the Class of 1982, as well as career planning data for the Class of 1983. Chapter 3 presents a comparison of the plans versus the actual activities of the Class of 1987. The data on the plans of the Class of 1987 were collected via the Career Planning Survey component of the Follow-Up System. The Career Planning Survey is administered to high school seniors about one month prior to their graduation date. Chapter 4 is a summary of the class by curriculum area, and shows the potential relationships between the amount of coursework taken and post high school employment and educational activities. Chapter 5 presents information collected by a survey of employers of members of the Class of 1987.

FIGURE 1
MINNESOTA SECONDARY SCHOOL FOLLOW-UP SYSTEM



Chapter 2:

SUMMARY OF THE CLASS OF 1987

Using the procedures outlined in Chapter 1, 84 Minnesota high schools, plus a sampling of Minneapolis, conducted a follow-up survey of the Class of 1987. Included in this survey were graduates and dropouts, as well as other members of the class who didn't complete their high school program. This chapter of the report will: (1) describe selected characteristics of those 84 schools reporting follow-up data, (2) present a statewide summary of the Class of 1987, and (3) present summary data for the classes of 1977 through 1986. (Statewide follow-ups were not conducted on the Class of 1982). Summary data over several years allows for the examination of trends over time.

CHARACTERISTICS OF PARTICIPATING SCHOOLS

Each district which offers vocational education is required to participate in the Minnesota Secondary School Follow-Up System every five years. Each year other districts voluntarily participate. Therefore, the schools included in this report do not represent a random sample, nor do they comprise a sample which would necessarily be valid for statistical inference to the population of all schools in Minnesota. However, the schools that participated in the follow-up are diverse in terms of class size and geographic location within Minnesota; and may, for practical purposes, be considered representative of the schools in the State.

LOCATION

The geographic locations of the 84 schools that reported data from the Class of 1987 are shown in Figure 2. Each participating school is identified with an asterisk (*), and is located in the appropriate county. As shown in Figure 2, the participating schools were widely dispersed throughout the state.

(A list of participating schools may be found in Appendix A.)

FIGURE 2
LOCATION OF SCHOOLS PARTICIPATING IN THE FOLLOW-UP PROJECT IN 1987

SIZE OF GRADUATING CLASS

The second factor used to describe the schools that participated in the follow-up is the size of graduating class. The number of schools by size of graduating class is reported in Table 1. Figure 3 shows the proportion of schools by graduating class size for the classes of 1977 through 1987, with the exception of 1982.

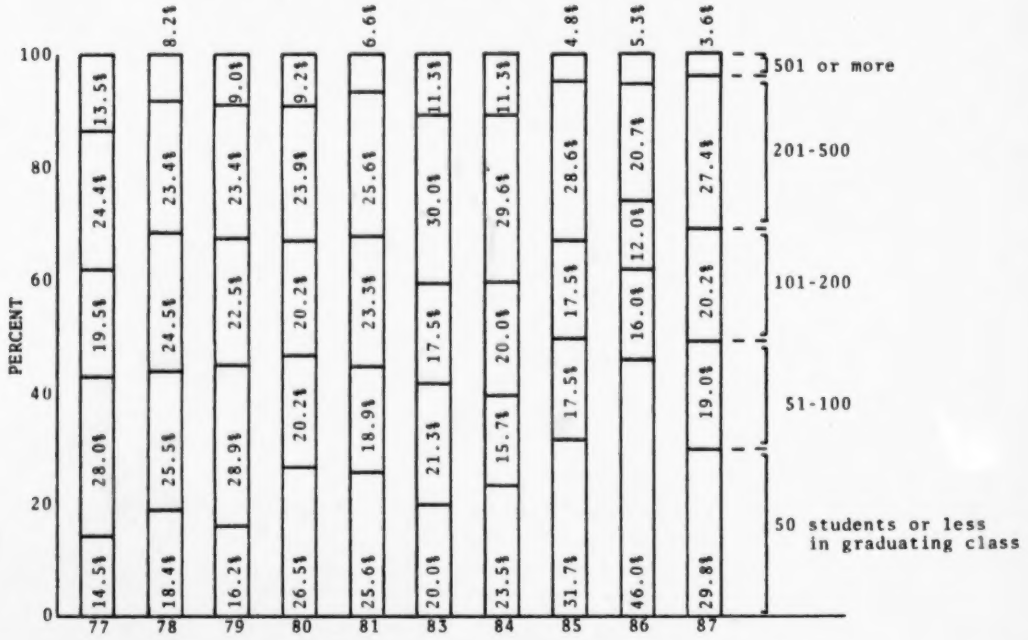
As shown in Table 1, 58 schools, or almost three-fourths of participating schools surveying the Class of 1987 had a graduating class size of 200 students or less. Figure 3 visually portrays the proportional size of the schools represented in the study.

TABLE 1
NUMBER OF SCHOOLS BY SIZE OF GRADUATING CLASS

Size of Class	1987	1986	1985	1984	1983	1981	1980	1979	1978	1977
50 or less	25	69	40	27	16	23	29	18	18	12
51 to 100	16	24	22	18	17	17	22	32	25	23
101 to 200	17	18	22	23	14	21	22	25	24	16
201 to 300	10	13	13	11	9	11	10	15	11	10
301 to 400	10	9	15	13	9	5	10	4	7	5
401 to 500	3	9	8	10	6	7	6	7	5	5
501 to 600	1	5	4	3	4	3	6	5	5	8
601 or more	2	3	2	10	5	3	4	5	3	3
Total	*84	*150	126	115	80	90	109	111	98	82

* Plus a sample of Minneapolis district-wide.

FIGURE 3
NUMBER OF SCHOOLS BY SIZE OF GRADUATING CLASS
CLASSES 1977-1981 AND 1983-1987



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QUESTIONNAIRE RESPONSE

The student response rate to the follow-up questionnaire is shown in Table 2. The "Return Complete" category identifies the percentage of former students who returned fully completed questionnaires. The "Return Incomplete" category identifies the percentage of former students who returned partially completed questionnaires. The "No Return Received" category reports the percentage that did not respond to the follow-up questionnaire.

As shown in Table 2, 68.8 percent of those surveyed responded with a fully completed questionnaire. Eight percent responded with a partially completed questionnaire. The total response rate to the questionnaire was 76.8 percent.

TABLE 2
QUESTIONNAIRE RESPONSE
CLASS OF 1987 - ALL STUDENTS

Status	Male Percent	N	Female Percent	N	Total Percent	N	% Change From 1986
Return Complete	65.4	4581	72.2	5007	68.8	9588	-1.3
Return Incomplete	8.9	625	7.1	492	8.0	1117	-1.8
No Return Received	25.7	1803	20.7	1437	23.2	3240	+3.1
Total Assessed	100.0	7009	100.0	6936	100.0	13945	

COMBINATIONS OF PRESENT ACTIVITIES

Table 3 represents a detailed description of the activity status one year after high school for the Class of 1987. These selected categories were designed to be independent and mutually exclusive, thus providing non-duplicated counts.

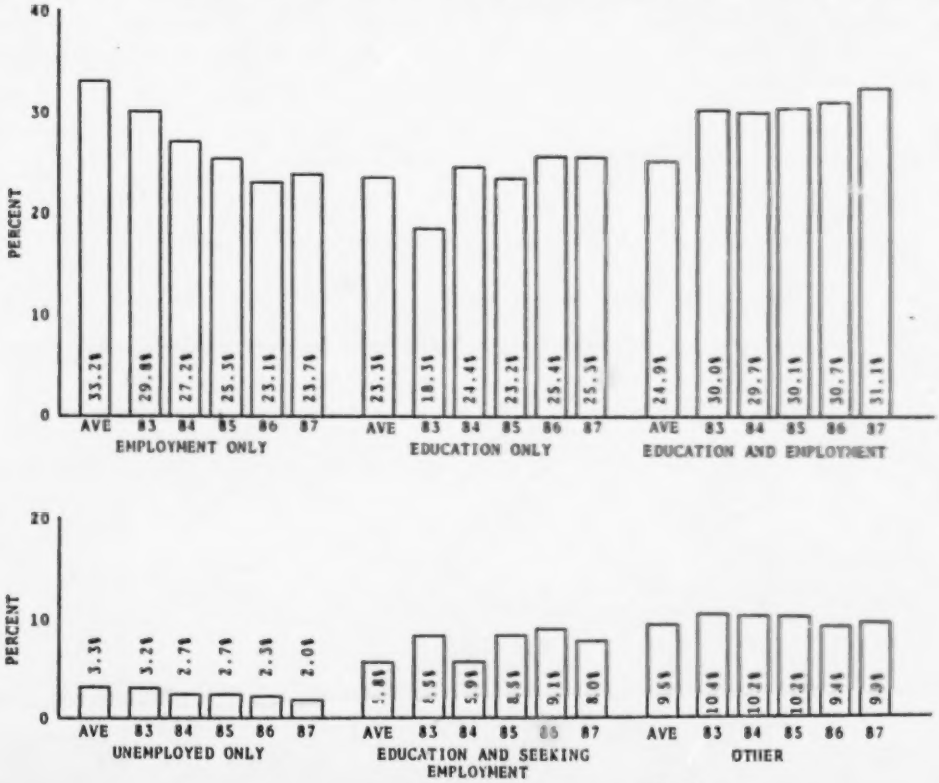
As shown in Table 3, 23.7 percent of the Class of 1987 were "employed only" at the time of the survey. Only two percent were "unemployed only" at the time of the survey. Of those responding, 25.2 percent were involved in education only, while 31.2 percent were attending a school and employed.

Figure 4 illustrates the trends in the combinations of activities. As can be seen, the percentage responding "employed only" has generally continued to decline since 1978. Likewise, the percentage listed as "education only", with only 1983 as an exception, has remained quite steady. In the years 1977 through 1981 a fairly constant 25 percent reported education and employment. In 1983 this percentage increased substantially to 30 percent, and has held at this level for the succeeding four graduating classes.

TABLE 3
COMBINATIONS OF PRESENT ACTIVITIES
CLASS OF 1987 - ALL STUDENTS

Status	Male Percent	N	Female Percent	N	Total Percent	N	% Change From 1986
Paid Employment (only)	25.1	1307	22.4	1228	23.7	2535	+0.6
Paid Employment and Vocational School	6.4	331	6.6	360	6.5	691	+0.2
Paid Employment and Community College	6.6	342	8.5	465	7.6	807	+0.6
Paid Employment and College or University	14.3	742	19.8	1085	17.1	1827	-0.2
Vocational School (only)	2.9	152	2.7	150	2.8	302	+0.1
Community College (only)	2.7	138	1.8	98	2.2	236	+0.2
4-year College or University (only)	20.4	1061	20.1	1102	20.2	2163	-0.6
Education and Seeking Employment	7.2	374	8.8	482	8.0	856	-1.1
Unemployed (only)	2.0	104	1.9	106	2.0	210	-0.3
Activities Other Than The Above	12.5	651	7.4	404	9.9	1055	+0.5
Total Reporting Activity	100.0	5202	100.0	5480	100.0	10682	

FIGURE 4
COMBINATIONS OF PRESENT ACTIVITIES
AVERAGE OF RESULTS FOR CLASSES 1977-1981 AND RESULTS FOR 1983-1987



EDUCATIONAL ACTIVITY

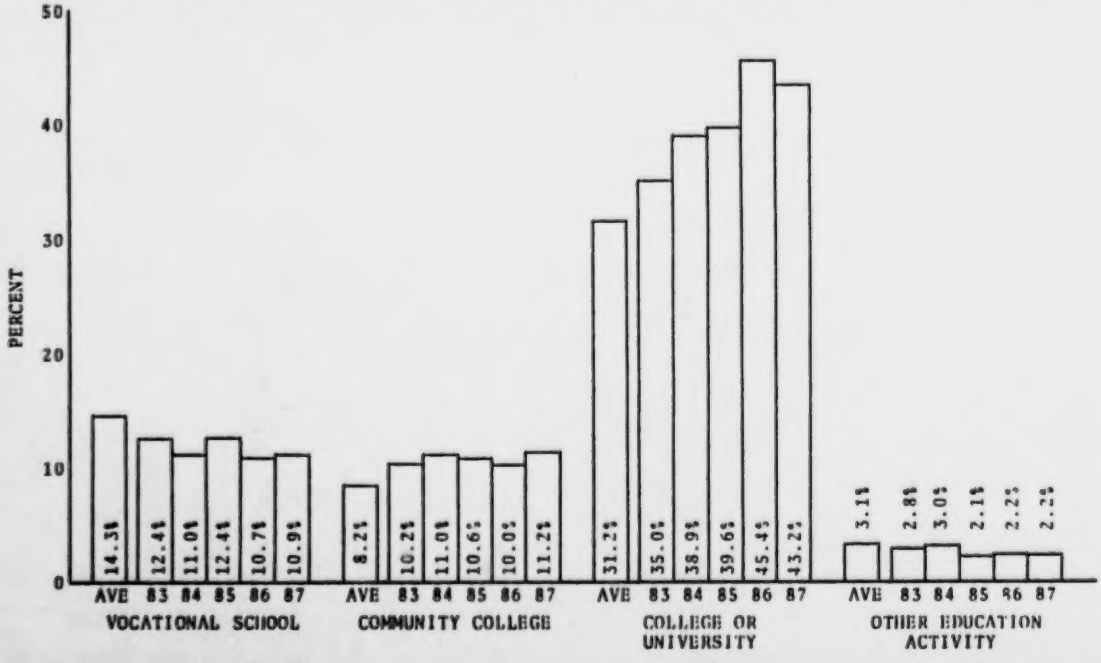
The educational activities of the Class of 1987 are summarized in Table 4. 43.2 percent of the class were enrolled in a four-year college or university at the time of the follow-up. 10.9 percent of the class were enrolled in a vocational school and 11.2 percent in a community college. Approximately one-third of the Class of 1987 had no educational activities at the time of the follow-up survey.

As can be seen in Figure 5, the total educational activities of leavers of Minnesota high schools is increasing slightly over time.

TABLE 4
PRESENT EDUCATION ACTIVITY
CLASS OF 1987 - ALL STUDENTS

Status	Male Percent	N	Female Percent	N	Total Percent	N	% Change From 1986
Vocational School	10.7	556	11.2	614	10.9	1170	+0.2
Community College	10.7	560	11.6	638	11.2	1198	+1.2
4-Year College or University	39.9	2081	46.4	2549	43.2	4630	-2.2
Apprenticeship	0.6	32	0.3	17	0.5	49	0.0
Other Education	1.5	79	2.0	108	1.7	187	0.0
Total Reporting Education Activity	63.5	3308	71.4	3926	67.6	7234	-0.6
No Education Activity	36.5	1903	28.6	1570	32.4	3473	+0.6
Total	100.0	5211	100.0	5496	100.0	10707	

FIGURE 5
PRESENT EDUCATION ACTIVITY
AVERAGE OF RESULTS FOR CLASSES 1977-1981 AND RESULTS FOR 1983-1987



EDUCATION TIME STATUS

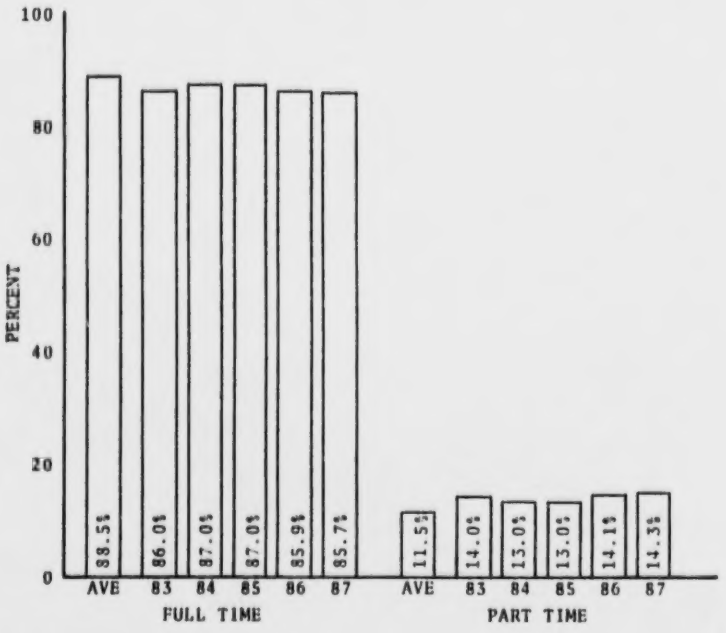
Table 5 indicates the time status for individuals in school at the time of the follow-up survey. Almost ninety percent of those individuals attending an educational institution were doing so full-time. Full-time was defined as being enrolled for 19 or more hours per week for students attending a vocational school or institute and 13 or more hours per week for students attending community colleges, colleges or universities. Students were considered part-time if enrolled in a vocational school or institute for 18 or fewer hours per week while students attending community colleges, colleges or universities were considered part-time if enrolled for 12 or fewer hours per week.

Figure 6 represents the trend data for education time status. As can be seen, a fairly constant rate of almost 90 percent full-time for those individuals attending school has been maintained over the past ten studies.

TABLE 5
PRESENT STATUS OF INDIVIDUALS IN SCHOOL
CLASS OF 1987 - ALL STUDENTS

Status	Male Percent	N	Female Percent	N	Total Percent	N	% Change From 1986
Full-Time	86.7	2717	84.8	3194	85.7	5911	-0.2
Part-Time	13.3	418	15.2	572	14.3	990	+0.2
Total Reporting Time Status	100.0	3135	100.0	3766	100.0	6901	

FIGURE 6
TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY INSTITUTIONS AT PRESENT
AVERAGE OF RESULTS FOR CLASSES 1977-1981 AND RESULTS FOR 1983-1987



SCHOOLS ATTENDED BY INDIVIDUALS AT PRESENT

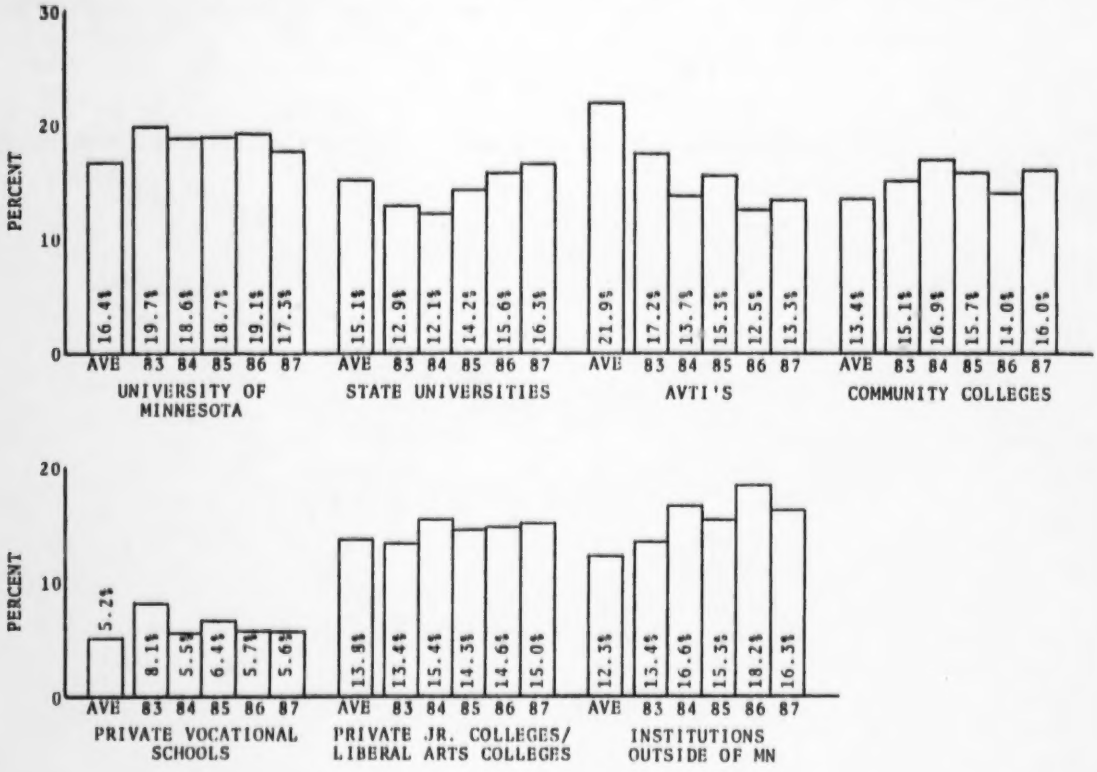
The percentages reported in Table 6 are intended to illustrate the type of post-secondary institution attended by students of the Class of 1987 ten to eleven months after leaving high school. Of those former students reporting an educational activity, 13.3 percent were attending an area vocational-technical institute; 17.3 percent were attending the University of Minnesota; 16.3 percent were attending a state university; 16.0 percent were attending a community college. More than 30 percent (31.3%) reported attending a Minnesota private college (15.0%) or an institution outside of Minnesota (16.3%).

Figure 7 illustrates the proportion of those former students who reported enrollment by type of institution from 1977 to 1987.

TABLE 6
SCHOOLS ATTENDED BY INDIVIDUALS AT PRESENT
CLASS OF 1987 - ALL STUDENTS
(Of Those Reporting Education Activity)

Status	Male Percent	N	Female Percent	N	Total Percent	N	% Change From 1986
University of Minnesota (all campuses)	19.4	562	15.6	545	17.3	1107	-1.8
State Universities	15.9	461	16.7	581	16.3	1042	+0.7
Area Vocational-Technical Institutes	15.1	439	11.8	410	13.3	849	+0.8
Community College	16.5	477	15.5	542	16.0	1019	+2.0
Private Vocational Schools (including health related and military)	4.0	115	6.9	242	5.6	357	-0.1
Private Jr. Colleges Liberal Arts Colleges	12.2	354	17.3	602	15.0	956	+0.4
Institutions Outside Minnesota	16.9	489	15.8	552	16.3	1041	-1.9
Schools Not Reported	0.0	1	0.4	14	0.2	15	-0.1
Total Reporting Schools	100.0	2898	100.0	3488	100.0	6386	

FIGURE 7
POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS AT PRESENT AVERAGE OF RESULTS FOR CLASSES 1977-1981 AND RESULTS FOR 1983-1987



EMPLOYMENT ACTIVITY

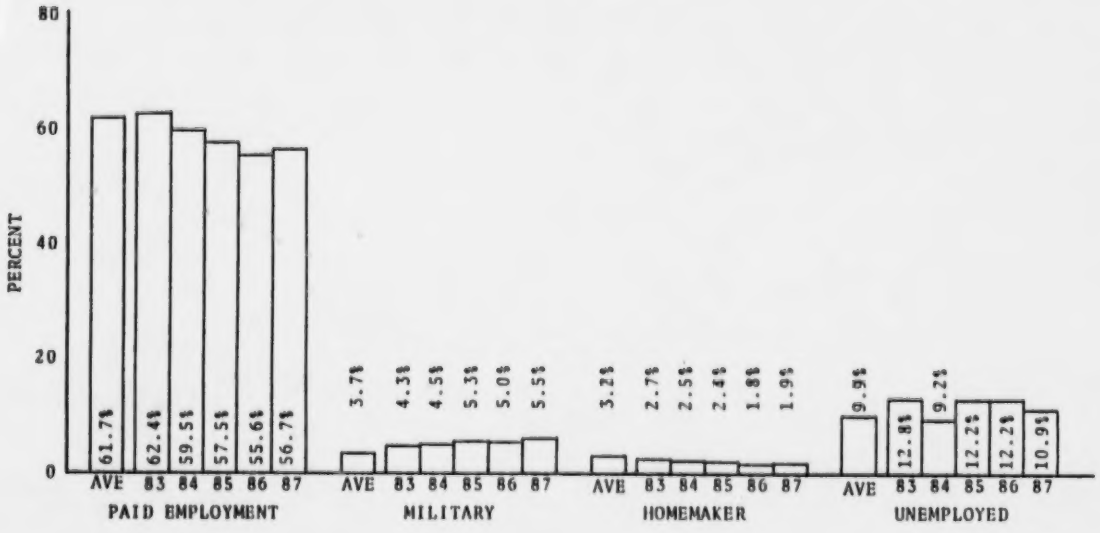
The employment activities of the Class of 1987 are summarized in Table 7. Over half (56.7 percent) of the class were employed at the time of the follow-up survey. While it appears that 10.9 percent of the class were unemployed, this figure includes those former students who are primarily in school but also seeking employment. A better understanding of the unemployment figure for the Class of 1987 may be obtained in Table 3, "Combination of Present Activities" which indicates an "unemployed only" status of two percent.

Figure 8 illustrates the employment activities of the Class of 1977 through 1987. It is apparent that the proportion of each class stating any employment related activity has varied from approximately 75 to 85 percent.

TABLE 7
PRESENT EMPLOYMENT ACTIVITY
CLASS OF 1987 - ALL STUDENTS

Status	Male Percent	N	Female Percent	N	Total Percent	N	% Change From 1986
Paid Employment	53.6	2791	59.8	3285	56.7	6076	+1.1
Homemaker	0.2	12	3.6	196	1.9	208	+0.1
Military	9.9	518	1.3	74	5.5	592	+0.5
Unemployed/Seeking Employment	10.1	525	11.8	646	10.9	1171	-1.3
Total Reporting Employment Activity	73.8	3846	76.4	4201	75.2	8047	+0.4
No Employment Activity	26.2	1365	23.6	1295	24.8	2660	-0.4
Total	100.0	5211	100.0	5496	100.0	10707	

FIGURE 8
PRESENT EMPLOYMENT ACTIVITY
AVERAGE OF RESULTS FOR CLASSES 1977-1981 AND RESULTS FOR 1983-1987



EMPLOYMENT TIME STATUS

The time status for individuals employed is reported in Table 8. Full-time was defined as being employed 30 or more hours per week. Part-time was defined as being employed 29 or fewer hours per week.

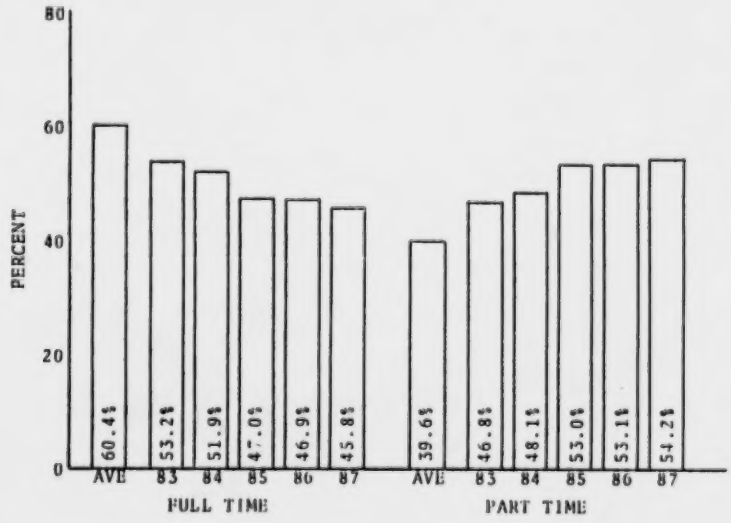
As shown in Table 8, 45.8 percent of the Class of 1987 reporting employment were employed full-time, with 54.2 percent of the class employed part-time.

The ten-year trend data reported in Figure 9 reveals the tendency toward part-time employment for those former students employed. It should be noted that employment time status may be affected by participation in post-secondary education activities which have also changed over the past five years.

TABLE 8
PRESENT STATUS OF EMPLOYED INDIVIDUALS
CLASS OF 1987 - ALL STUDENTS

Status	Male Percent	N	Female Percent	N	Total Percent	N	% Change From 1986
Full-Time	52.2	1441	40.4	1317	45.8	2758	-1.1
Part-Time	47.8	1320	56.9	1946	54.2	3266	+1.1
Total Reporting Time Status	100.0	2761	100.0	3263	100.0	6024	

FIGURE 9
TIME STATUS OF INDIVIDUALS EMPLOYED AT PRESENT
AVERAGE OF RESULTS FOR CLASSES 1977-1981 AND RESULTS FOR 1983-1987



WAGES EARNED BY INDIVIDUALS EMPLOYED AT PRESENT

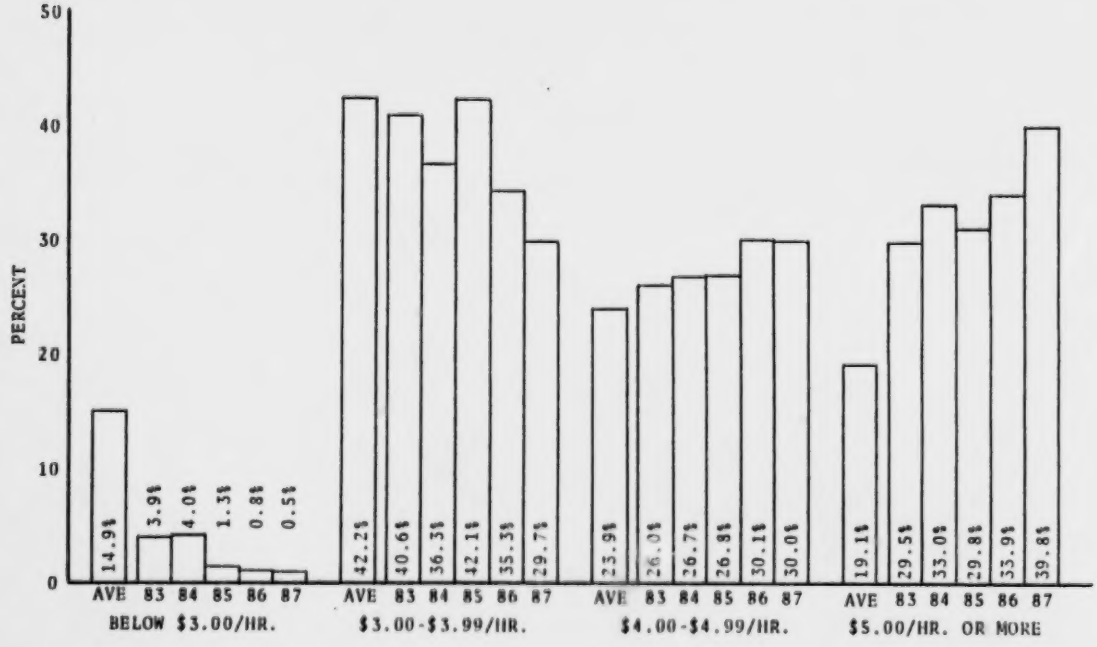
The wage distribution of the Class of 1987 who were employed at the time of the follow-up survey is reported in Table 9. Less than one percent of the class reported earning less than $3.00 per hour. About sixty percent reported earning $3.00 to $4.99 per hour. Forty percent of the class reported earning $5.00 or more per hour.

Figure 10 illustrates the wage distribution for the past ten studies. Care should be exercised when interpreting these data due to changes in the minimum wage and inflation that have occurred over the period.

TABLE 9
WAGES OF INDIVIDUALS EMPLOYED AT PRESENT
CLASS OF 1987 - ALL STUDENTS

Status	Male Percent	N	Female Percent	N	Total Percent	N	% Change From 1986
Below $3.00 per hour	0.3	5	0.7	16	0.5	21	-0.3
$3.00 - $3.99 per hour	20.1	372	36.9	901	29.7	1273	-5.6
$4.00 - $4.99 per hour	28.9	533	30.9	755	30.0	1288	-0.1
$5.00 - $5.99 per hour	23.9	442	17.8	436	20.5	878	+1.6
$6.00 - $6.99 per hour	10.4	193	8.6	210	9.4	403	+1.6
$7.00 per hour or more	16.4	302	5.2	127	10.0	429	+2.9
Total Reporting Wages	100.0	1847	100.0	2445	100.0	4292	

FIGURE 10
WAGES FOR INDIVIDUALS EMPLOYED AT PRESENT
AVERAGE OF RESULTS FOR CLASSES 1977-1981 AND RESULTS FOR 1983-1987



INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

The information presented in Table 10 categorizes the employment activities of former students by the type of industry in which they were employed at the time of the follow-up survey. The industry categories are the same as the broad reporting categories used by the United States Bureau of the Census.

Nearly one-half (46.1 percent) of the Class of 1987 were employed in wholesale and retail trade. 17.9 percent of the class were employed in professional and related services. Just over ten percent of the class were employed by manufacturing firms.

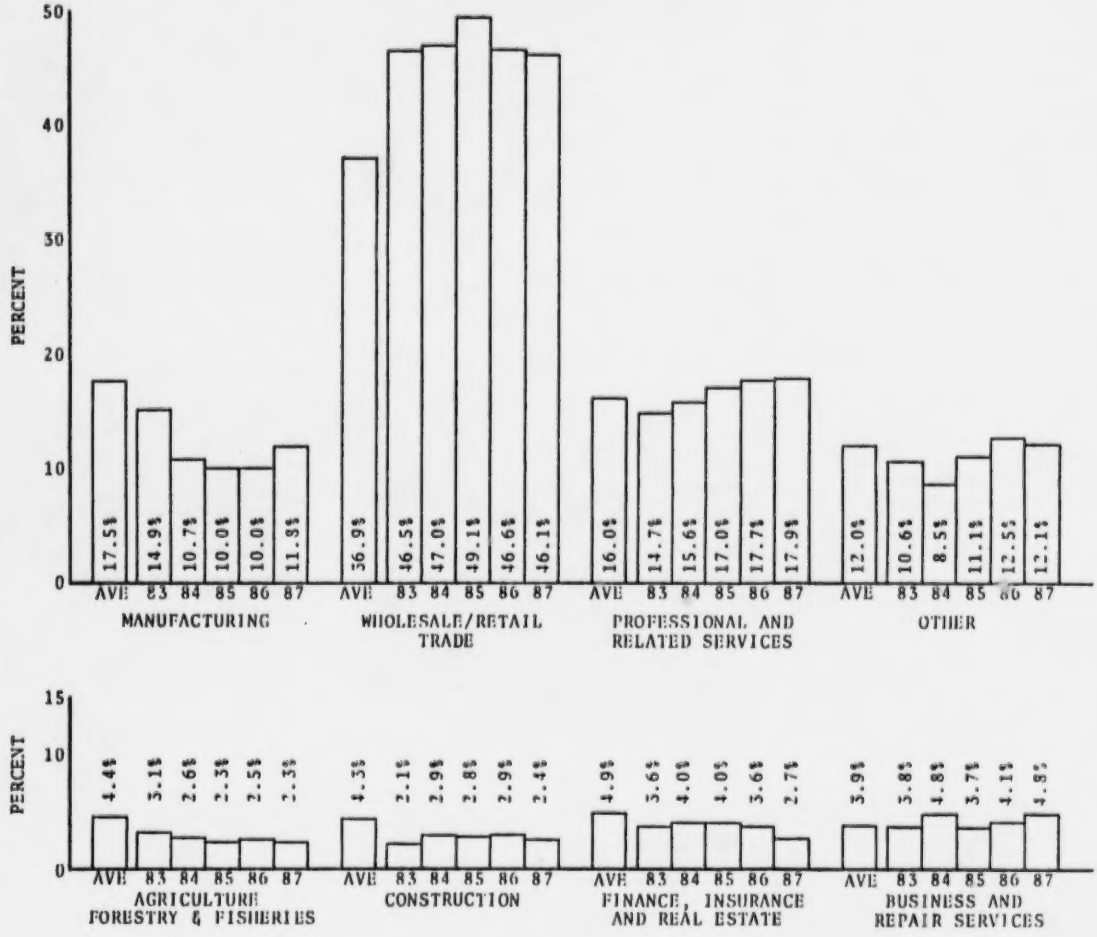
Figure 11 illustrates the distribution of employment by industry for the past ten years. As is apparent, the proportion employed in wholesale and retail trade has generally stabilized at nearly one-half of all respondents.

TABLE 10
INDUSTRIES IN WHICH RESPONDENTS ARE EMPLOYED
CLASS OF 1987 - ALL STUDENTS

Industry	Male Percent	N	Female Percent	N	Total Percent	N	% Change From 1986
Wholesale and Retail Trade	43.3	1146	48.5	1537	46.1	2683	-0.5
Professional and Related Services	10.5	279	24.0	761	17.9	1040	+0.2
Manufacturing	16.4	435	7.9	249	11.8	684	+1.8
Business and Repair Services	7.4	195	2.6	83	4.8	278	+0.7
Personal Services	2.4	64	5.4	171	4.0	235	-0.7
Finance, Insurance, and Real Estate	0.8	21	4.3	136	2.7	157	-0.9
Transportation, Communications, and Other Public Utilities	3.8	100	1.5	47	2.5	147	-0.1
Entertainment and Recreation Services	3.0	79	2.1	66	2.5	145	-0.8
Construction	4.8	126	0.4	12	2.4	138	-0.5
Agriculture, Forestry, and Fisheries	4.8	120	0.4	14	2.3	134	-0.2
Public Administration	1.3	35	1.1	34	1.2	69	+0.4
Mining	0.1	3	0.0	0	0.1	3	+0.1
Industry Not Reported	1.7	46	1.8	56	1.8	102	+0.7
Total Reporting Industry	100.0	2649	100.0	3166	100.0	5815	

* A listing of specific industries for each of the categories above is provided in Appendix B.

FIGURE 11
INDUSTRIES IN WHICH RESPONDENTS ARE EMPLOYED AT PRESENT
AVERAGE OF RESULTS FOR CLASSES 1977-1981 AND RESULTS FOR 1983-1987



OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Information relative to the occupations in which individuals were employed at the time of the follow-up is presented in Table 11. The categories used in Table 11 were the same as used by the U.S. Bureau of the Census. For the purposes of this report, an expanded form of the suggested abbreviated occupational classifications (Standard Occupational Codes - SOC) has been used.

Incorporating the Standard Occupational Classification into the Minnesota Secondary School Follow-Up System has the benefit of keeping the System current and compatible with Federal government reporting procedures. However, due to this change only eight years of occupational trend data will be presented in this report.

As shown in Table 11, over two-thirds (70.7 percent) of those employed were employed in service, marketing and sales, or clerical occupations. Nearly ninety percent of females cluster in these three occupational areas, as opposed to slightly less than half of males.

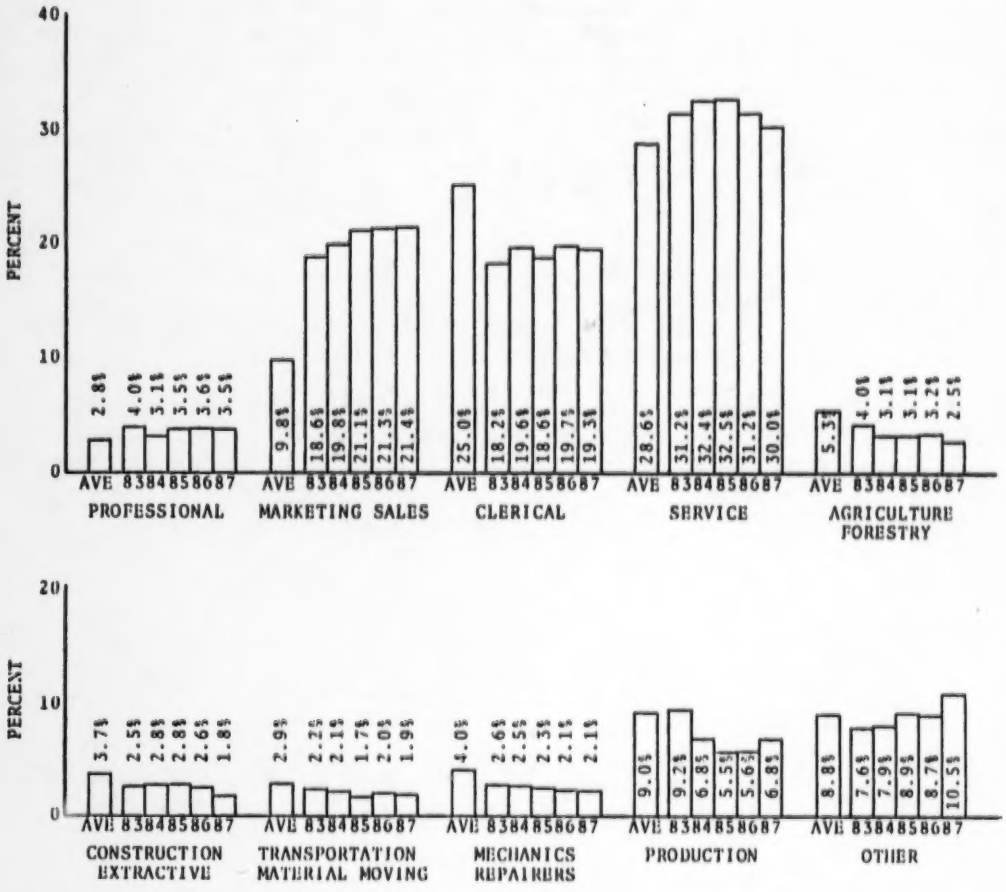
Figure 12 illustrates the changes that have taken place over the eight studies in proportion of employment by occupation. It is evident that the percentages have been relatively stable over the past five years.

TABLE 11
OCCUPATIONS IN WHICH RESPONDENTS ARE EMPLOYED
CLASS OF 1987 - ALL STUDENTS

Occupations	Male Percent	N	Female Percent	N	Total Percent	N	% Change From 1986
Service	26.2	683	33.3	1053	30.0	1735	-1.2
Marketing and Sales	14.1	369	27.4	868	21.4	1237	+0.1
Clerical	8.5	223	28.2	893	19.3	1116	-0.4
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	18.7	489	2.0	63	9.6	552	+1.7
Production	10.6	277	3.7	117	6.8	394	+1.2
Administrative, Engineering, Scientific Teaching, and Related Occupations Including Creative Artists	4.0	105	3.2	100	3.5	205	-0.1
Farming, Forestry, and Fishing	4.8	125	0.6	20	2.5	145	-0.7
Mechanics and Repairers	4.5	118	0.2	5	2.1	123	0.0
Transportation and Material Moving	3.8	100	0.3	11	1.9	111	-0.1
Construction and Extractive	3.9	103	0.1	2	1.8	105	-0.8
Technologists and Technicians Including Health	0.7	19	1.0	33	0.9	52	+0.1
Total Reporting Occupations	100.0	2611	100.0	3165	100.0	5776	

* A listing of specific occupations for each of the categories above is provided in Appendix C.

FIGURE 12
OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT
AVERAGE OF RESULTS FOR CLASSES 1979-1981 AND RESULTS FOR 1983-1987



Chapter 3:

PLANS VERSUS ACTUAL ACTIVITIES OF THE CLASS OF 1987

An integral part of the Minnesota Secondary Follow-Up System is the Career Planning Survey. The Career Planning Survey is administered to high school seniors approximately one month prior to their high school graduation date. The Career Planning Survey asks students questions concerning their high school program, basic skills, post high school plans, finality of plans, personal information, and family information. The Career Planning Survey data are analyzed and reported to each participating district.

The Follow-up component of the Secondary Follow-Up System, as stated in Chapter 1, gathers information on students' post high school activities approximately one year after students leave high school. The entire follow-up procedure links student base information, plans and post high school employment and/or educational activity.

Approximately 75 Minnesota high schools collected both Career Planning Survey and Follow-up data for the Class of 1987. These data were collected at two different time periods. The Minnesota Secondary Follow-Up System procedures insure that each student's Career Planning Survey and Follow-up data are correctly matched. This merge resulted in a data file containing 9,601 students.

The comparison of "plans versus actual activities" is accomplished via the students' combinations of plans/activities. The combinations of plans/activities was chosen because it allows for a better view of what the students are planning/doing with their time, in that a total picture of what a student is planning/doing is more apparent. It also creates mutually exclusive categories. Table 12 illustrates the combination of plans from the Class of 1987 as measured by the Career Planning Survey.

TABLE 12
COMBINATION OF PLANS OF THE CLASS OF 1987 AS GATHERED FROM THE CAREER PLANNING SURVEY

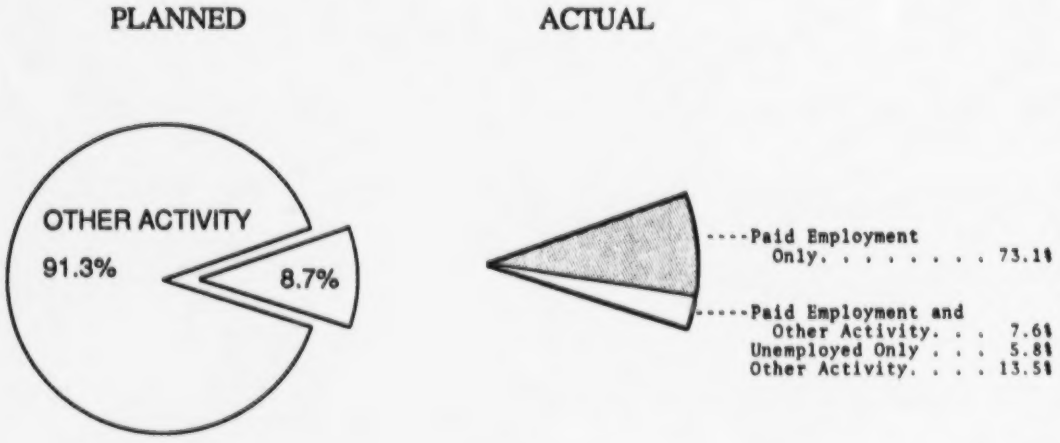
Survey	Male Percent	N	Female Percent	N	Total Percent	N	% Change From 1986
Paid Employment Only	8.5	411	7.8	371	8.1	782	-1.3
Vocational School and Paid Employment	14.6	708	14.4	681	14.5	1389	+1.7
Community College and Employment	7.6	385	10.4	491	9.1	876	+1.2
College or University and Employment	23.6	1147	28.7	1362	26.1	2509	+0.3
Vocational School Only	5.2	254	4.6	216	4.9	470	+0.6
Community College Only	3.7	181	3.8	180	3.8	361	+1.4
College or University Only	19.3	940	20.3	963	19.8	1903	+1.9
Other Combinations	17.2	834	10.1	477	13.7	1311	-5.8
Total Completing Career Planning Surveys	100.0	4860	100.0	4741	100.0	9601	

ACTUAL ACTIVITY OF THOSE PLANNING EMPLOYMENT ONLY

Of the members of the Class of 1987 who completed a Career Planning Survey, **8.7 percent**, or 782 indicated they planned to be employed only one year after leaving high school. Of the 8.7 percent, 516, or sixty-six percent, returned the follow-up form and indicated their present activity.

Of that 516, **73.1 percent**, or 377 individuals, were actually employed only at the time of the follow-up survey. 39 people, or 7.6 percent of those planning employment only, were also employed, but in combination with another activity, such as attending a vocational school. Therefore, **80.7 percent** , or 416 of the 782 planning employment only and returned the follow-up survey, were engaged in employment at the time of the study.

FIGURE 13
PLANS OF THE CLASS OF 1987 VERSUS THE ACTUAL ACTIVITIES OF THOSE PLANNING EMPLOYMENT ONLY

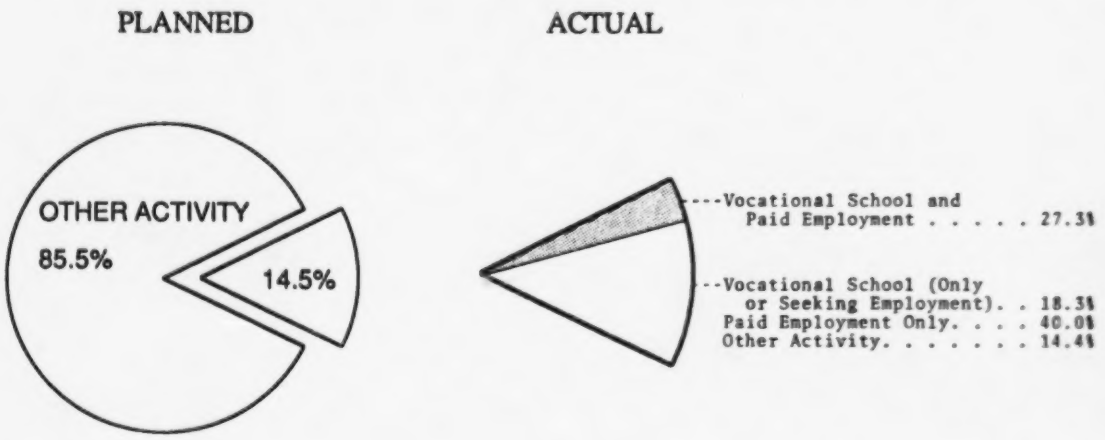


ACTUAL ACTIVITY OF THOSE PLANNING EMPLOYMENT AND VOCATIONAL SCHOOL

Of the members of the Class of 1987 who completed a Career Planning Survey, **14.5 percent**, or 1,389, indicated they planned to be employed and attending a vocational school one year after leaving high school. Of the 14.5 percent, 1,057 former students, or 76.1 percent, returned the follow-up form and indicated their present activity. Of that 1,057, 287 individuals, or **27.2 percent** were actually employed and attending a vocational school at the time of the follow-up survey. Forty percent, 420 of those planning employment and vocational school, were involved in employment only. Some of those may have completed a vocational program between high school completion and the time of the survey. 192 (18.2 percent) were engaged in either vocational school only or vocational school and seeking employment.

Upon further study of what those planning vocational school were doing in the three time periods between graduation and the study, 56.4 percent of this group actually attended vocational school at some time during the year. It is difficult to determine the retention statistics for vocational schools since vocational programs vary greatly in length.

FIGURE 14
PLANS OF THE CLASS OF 1987 VERSUS THE ACTUAL ACTIVITIES OF THOSE PLANNING EMPLOYMENT AND VOCATIONAL SCHOOL


PLANNED
ACTUAL
OTHER ACTIVITY
85.5%
14.5%
Vocational School and Paid Employment 27.3%
Vocational School (Only or Seeking Employment). . 18.3%
Paid Employment Only. . . . 40.0%
Other Activity. 14.4%

ACTUAL ACTIVITY OF THOSE PLANNING EMPLOYMENT AND COMMUNITY COLLEGE

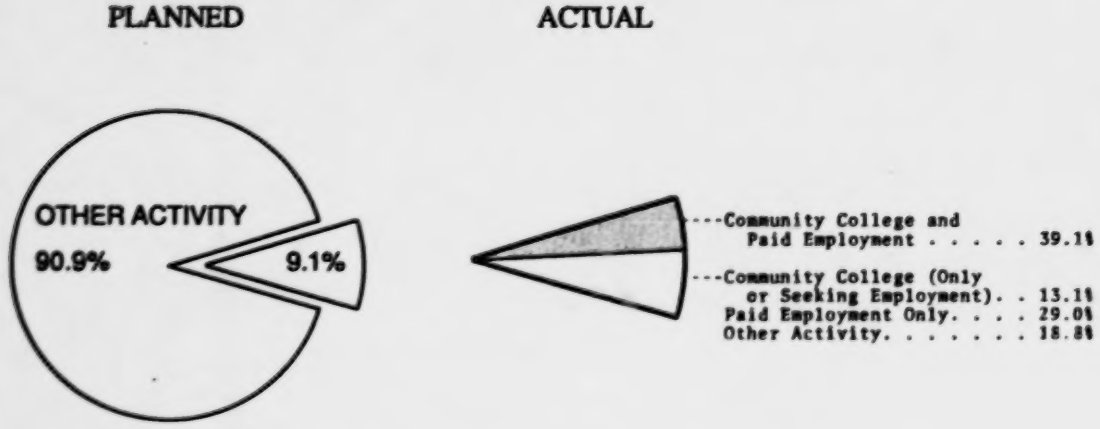
Of the members of the Class of 1987 who completed a Career Planning Survey, 9.1 percent, or 876, indicated they planned to be employed and attending a community college one year after leaving high school. Of the 9.1 percent, 700 former students, or 79.9 percent, returned the follow-up form and indicated their present activity.

Of that 700, 39.1 percent, or 274 individuals, were actually employed and attending a community college at the time of the follow-up survey. Over one-fourth (29 percent or 203 individuals) of those planning employment and community college were employed only. Another 13.1 percent (92 former students) were either attending a community college only or attending one and seeking employment.

Therefore, at the time of the follow-up, 52.3 percent of those planning employment and community college were enrolled in a community college.

82.5 percent had been involved in community college at some point during the year since the class graduated.

FIGURE 15
PLANS OF THE CLASS OF 1987 VERSUS THE ACTUAL ACTIVITIES OF THOSE PLANNING EMPLOYMENT AND COMMUNITY COLLEGE


PLANNED
ACTUAL
OTHER ACTIVITY
90.9%
9.1%
---Community College and Paid Employment 39.1%
---Community College (Only or Seeking Employment). . 13.1%
Paid Employment Only. . . . 29.0%
Other Activity. 18.8%

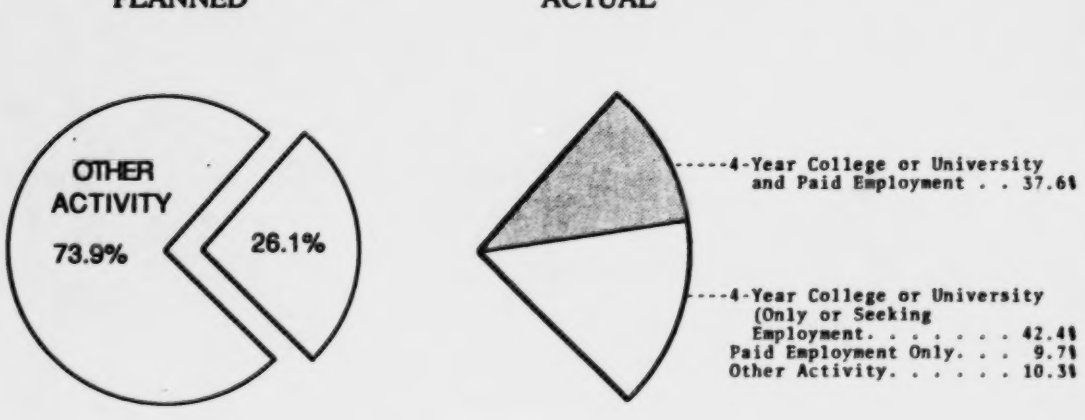
ACTUAL ACTIVITY OF THOSE PLANNING EMPLOYMENT AND COLLEGE OR UNIVERSITY

Of the members of the Class of 1987 who completed a Career Planning Survey, **26.1 percent**, or 2,509, indicated they planned to be employed and attending a college or university one year after leaving high school. Of the 26.1 percent, 2,036 former students, or 81.1 percent, returned the follow-up form and indicated their present activity.

Of that 2,036, **37.6 percent**, or 765 individuals, were actually employed and attending a college or university at the time of the follow-up survey. Another 864 individuals (42.4 percent) were attending a college or university, either exclusively or also seeking employment. 9.7 percent (197) were employed only. At the time of the follow-up, eighty percent of those planning to be employed and attending a college or university were attending a college or university. 51.1 percent were engaged in some form of employment.

Upon further study of what those planning this activity were doing in three-month increments following graduation, it appears that more than ninety percent attended a college or university at some point during the year.

FIGURE 16
PLANS OF THE CLASS OF 1987 VERSUS THE ACTUAL ACTIVITIES OF THOSE PLANNING EMPLOYMENT AND 4 YR. COLLEGE OR UNIVERSITY


PLANNED
ACTUAL
OTHER ACTIVITY
73.9%
26.1%
4-Year College or University and Paid Employment . . 37.6%
4-Year College or University (Only or Seeking Employment. 42.4%
Paid Employment Only. . . 9.7%
Other Activity. 10.3%

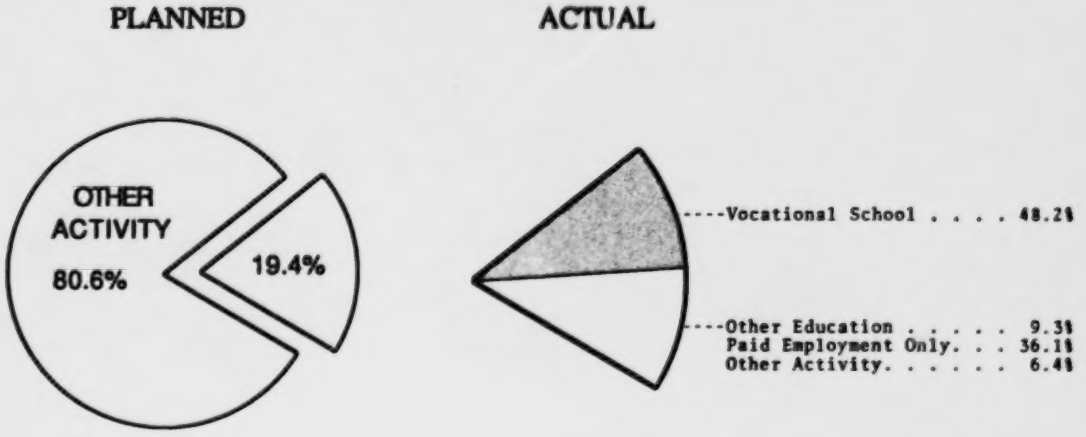
ACTUAL ACTIVITY OF THOSE PLANNING VOCATIONAL SCHOOL

Of the members of the Class of 1987 who completed a Career Planning Survey, **19.4 percent**, or 1,861, indicated they planned to be attending a vocational school one year after leaving high school. Of the 19.4 percent, 1,426 former students, or 76.6 percent, returned the follow-up form and indicated their present activity.

Of that 1,426, **48.2 percent**, or 688 individuals, were actually attending a vocational school at the time of the follow-up survey. 132 people, or 9.3 percent, were attending another form of education. 36.1 percent, or 515 individuals were employed only at the time of the follow-up. Some of these may have completed their vocational program prior to the survey.

In studying the three-month time increments between the classes' graduation and the time of the follow-up study, it appears that **56.4 percent** of this group did attend a vocational school at some time. It is difficult to determine the retention statistics for vocational schools since vocational programs vary greatly in length.

FIGURE 17
PLANS OF THE CLASS OF 1987 VERSUS THE ACTUAL ACTIVITIES OF THOSE PLANNING VOCATIONAL SCHOOL ONLY



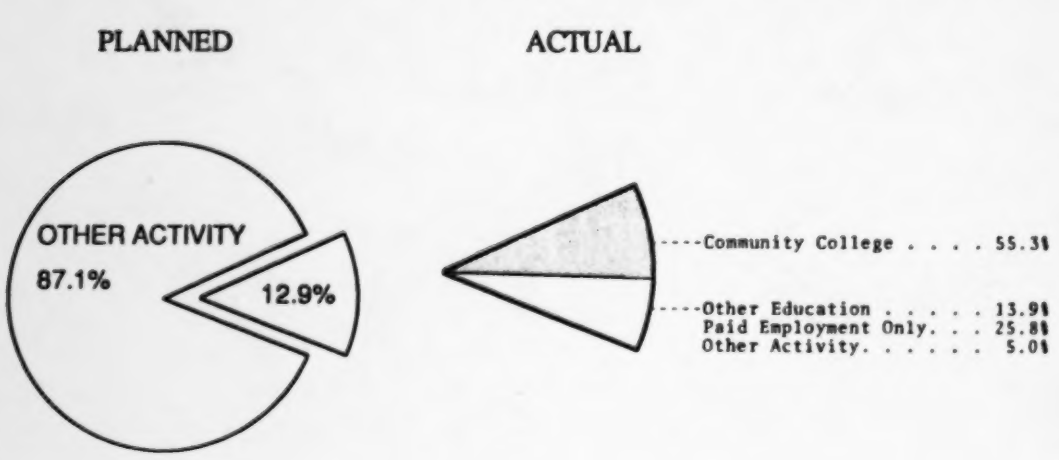
ACTUAL ACTIVITY OF THOSE PLANNING COMMUNITY COLLEGE

Of the members of the Class of 1987 who completed a Career Planning Survey, 12.9 percent, or 1,238, indicated they planned to be attending a community college one year after leaving high school. Of the 12.9 percent, 994 former students, or 80.3 percent, returned the follow-up form and indicated their present activity.

Of that 994, 55.6 percent, or 553 individuals, were actually attending a community college at the time of the follow-up survey. Another 138 people, or 13.9 percent, were involved in another form of education. 25.8 percent (256 people) were employed only at the time of the survey.

In reviewing the activities of this group for the three-month intervals since graduation, it is estimated that over three-fourths did attend a community college at some point.

FIGURE 18
PLANS OF THE CLASS OF 1987 VERSUS THE ACTUAL ACTIVITIES OF THOSE PLANNING COMMUNITY COLLEGE ONLY



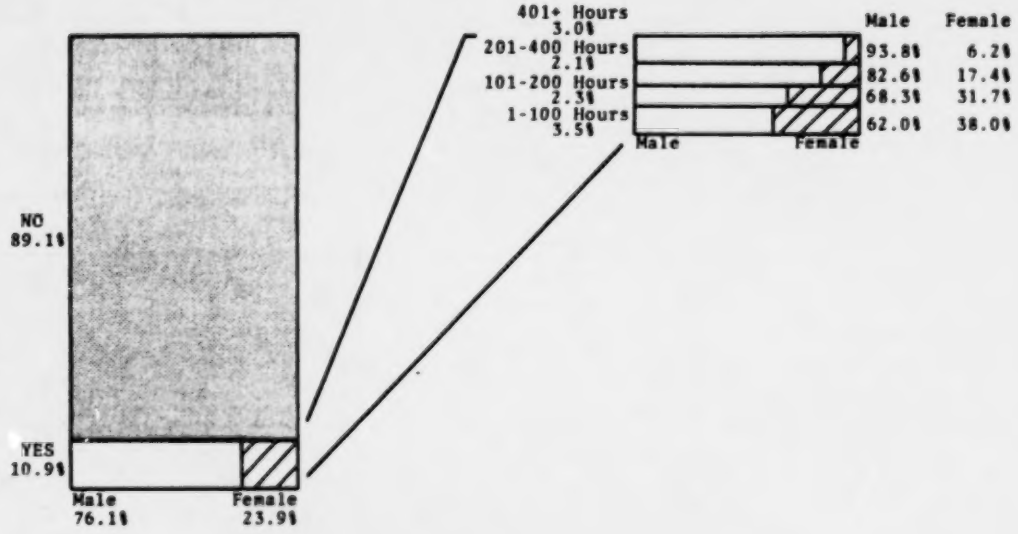
CLASS OF 1987 AGRICULTURE STUDENTS

Agriculture classes were selected by 10.9 percent of the 13,945 students who participated in the followup study. The data reported in this section include the 1,521 students who completed one or more courses in the curriculum category of Agriculture.

Approximately three-fourths (76.1 percent) of the Agriculture students were male, and 23.9 percent were female. Of these students surveyed, 73.5 percent responded with a completed, or substantially completed, questionnaire. These data are broken down into two-hundred hour cohorts. Courses in this curriculum category include, but are not limited to: Agriculture Production, Farm Business Management, Farm Mechanics, and Ornamental Horticulture.

Of the 1,521 Agriculture students, 808 had from 1 to 200 hours of courses; 293 students had courses totaling 201 to 400 hours; 420 had 401 or more hours of course work. The total percentage of students who selected any Agriculture courses increased 0.9 over the Class of 1986 study.

PARTICIPATION IN AGRICULTURE
Class of 1987
Grades 10-12
(100 Hours=Approximately 1 Semester)



CLASS OF 1987 AGRICULTURE STUDENTS
PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	69.7	64.8	66.2	65.3	75.5	67.8
Return Incomplete	3.8	5.5	9.3	6.0	4.7	5.7
No Return Received	26.5	29.7	24.5	28.7	20.6	26.6
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(808)	(293)	(420)	(1157)	(364)	(1521)

CLASS OF 1987 AGRICULTURE STUDENTS
PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	16.1	17.2	25.6	19.4	17.5	18.9
Community College	13.8	9.8	7.1	9.5	16.2	11.2
4-year College or University	20.4	16.7	18.8	18.9	20.3	19.3
Apprenticeship	0.7	0.0	0.6	0.6	0.3	0.5
Other Education	1.7	1.5	1.6	1.8	1.0	1.6
EMPLOYMENT						
Paid Employment	57.8	54.9	60.8	56.2	63.6	58.1
Homemaker	3.0	2.0	0.6	0.1	7.9	2.2
Military	10.6	11.3	9.7	13.3	2.4	10.5
Unemployed	20.3	16.2	10.7	16.5	17.9	16.9
OTHER						
Other Activity	0.8	2.5	3.6	2.3	0.7	1.9
Total Responses	145.2 (874)	131.9 (269)	139.2 (430)	138.7 (1143)	147.8 (430)	141.1 (1573)
Total Reporting Activity	100.0 (602)	100.0 (204)	100.0 (309)	100.0 (824)	100.0 (291)	100.0 (1115)

CLASS OF 1987 AGRICULTURE STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	33.0	37.7	34.1	34.5	33.3	34.2
Paid Employment and Vocational School	9.7	5.9	13.0	10.1	9.3	9.9
Paid Employment and Community College	7.0	3.4	3.6	4.3	8.6	5.4
Paid Employment and College or University	6.3	6.4	7.8	6.0	8.9	6.7
Vocational School (only)	2.3	7.8	9.1	5.7	3.8	5.2
Community College (only)	1.8	2.5	1.6	1.6	2.7	1.9
4-year College or University (only)	7.7	7.4	8.1	8.2	6.5	7.7
Education and Seeking Employment	14.2	10.3	7.1	11.2	12.4	11.5
Unemployed (only)	3.3	2.5	1.9	2.7	3.1	2.8
Activities Other Than The Above	14.7	16.2	13.6	15.8	11.3	14.7
Total Reporting Activity	100.0 (600)	100.0 (204)	100.0 (308)	100.0 (821)	100.0 (291)	100.0 (1112)

CLASS OF 1987 AGRICULTURE STUDENTS
PERCENT STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	81.8	87.4	86.6	85.1	81.5	84.1
Part-Time	18.2	12.6	13.4	14.9	18.5	15.9
Total Reporting Status	100.0 (297)	100.0 (87)	100.0 (157)	100.0 (390)	100.0 (151)	100.0 (541)

CLASS OF 1987 AGRICULTURE STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	9.5	14.8	15.7	12.3	11.9	12.2
State Universities	13.8	9.1	9.2	11.5	11.9	11.6
Area Vocational-Technical Institutes	25.8	37.5	43.8	37.5	21.9	33.0
Community College	26.5	19.3	12.4	18.0	29.1	21.2
Private Vocational Schools (including health related)	8.5	5.7	3.9	4.8	11.3	6.7
Private Jr. Colleges Liberal Arts Colleges	7.8	4.5	3.9	5.9	6.6	6.1
Institutions Outside Minnesota	8.1	9.1	11.1	9.9	7.3	9.2
Schools Not Reported	0.0	0.0	0.0	0.0	0.0	0.0
Total Reporting Schools	100.0 (283)	100.0 (88)	100.0 (153)	100.0 (373)	100.0 (151)	100.0 (524)

CLASS OF 1987 AGRICULTURE STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	60.4	68.8	69.6	70.2	50.5	64.5
Part-Time	39.6	31.2	30.4	29.8	49.5	35.5
Total Reporting Employed Status	100.0 (341)	100.0 (112)	100.0 (184)	100.0 (453)	100.0 (184)	100.0 (637)

CLASS OF 1987 AGRICULTURE STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below $3.00 per hour	0.8	1.3	0.8	1.0	0.7	0.9
$3.00 - $3.99 per hour	38.3	27.3	23.4	23.0	52.9	32.1
$4.00 - $4.99 per hour	25.8	16.9	29.7	26.9	22.1	25.4
$5.00 - $5.99 per hour	20.0	23.4	18.0	21.4	16.9	20.0
$6.00 - $6.99 per hour	5.0	16.9	9.4	11.3	1.5	8.3
$7.00 per hour or more	10.0	14.3	18.8	16.5	5.9	13.3
Total Reporting Wages	100.0 (240)	100.0 (77)	100.0 (128)	100.0 (309)	100.0 (136)	100.0 (445)

CLASS OF 1987 AGRICULTURE STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	5.8	10.1	26.2	16.4	2.3	12.2
Mining	0.0	0.0	0.6	0.2	0.0	0.2
Construction	5.5	11.0	8.9	10.0	1.1	7.4
Manufacturing	16.8	21.1	23.8	22.2	13.0	19.5
Transportation, Communications, and Other Public Utilities	3.0	2.8	3.6	3.7	1.7	3.1
Wholesale and Retail Trade	42.4	33.9	21.4	28.5	50.8	35.0
Finance, Insurance, and Real Estate	1.2	0.0	0.0	0.0	2.3	0.7
Business and Repair Services	5.8	8.3	4.2	7.2	2.3	5.8
Personal Services	1.2	3.7	2.4	1.2	4.0	2.0
Entertainment and Recreation Services	4.0	1.8	0.6	2.8	2.3	2.6
Professional and Related Services	13.7	6.4	6.0	6.3	19.8	10.2
Public Administration	0.3	0.9	0.0	0.2	0.6	0.3
Industry Not Reported	0.3	0.0	2.4	1.2	0.0	0.8
Total Reporting Activity	100.0 (328)	100.0 (109)	100.0 (168)	100.0 (428)	100.0 (177)	100.0 (605)

CLASS OF 1987 AGRICULTURE STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scientific, Teaching, and Related Occupations, Including Creative Artists	3.4	0.9	1.8	3.0	1.1	2.5
Technologists and Technicians Including Health	0.9	0.0	0.6	0.5	1.1	0.7
Marketing and Sales	18.0	14.5	11.2	9.1	30.7	15.5
Clerical	11.6	11.8	4.7	5.4	20.1	9.7
Service	26.3	10.0	10.7	14.1	30.7	19.0
Farming, Forestry, and Fishing	4.6	9.1	25.4	15.0	2.2	11.2
Construction and Extractive	3.1	5.5	8.9	7.3	0.0	5.1
Transportation and Material Moving	3.1	3.6	5.3	4.7	1.7	3.8
Mechanics and Repairers	4.6	9.1	5.9	8.0	0.6	5.8
Production	11.9	10.9	11.8	12.9	8.9	11.7
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	12.5	24.5	13.6	20.1	2.8	15.0
Total Reporting Occupations	100.0 (327)	100.0 (110)	100.0 (169)	100.0 (427)	100.0 (179)	100.0 (606)

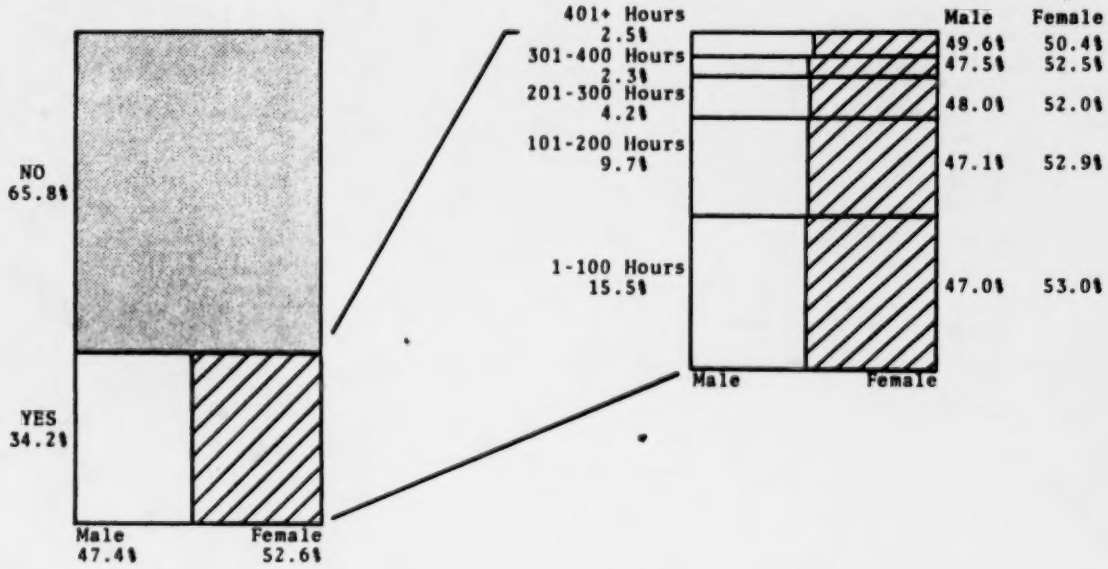
CLASS OF 1987 ART STUDENTS

Art classes were selected by 34.2 percent of the 13,945 students who participated in the follow-up study. The data reported in this section include the 4,767 students who completed one or more courses in the curriculum category of Art.

47.4 percent of these Art students were male, and 52.6 percent were female. Of these students surveyed, 73.3 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Art History, Basic Design, Drawing, and Sculpture.

Of the 4,767 Art students, 3,509 had from 1 to 200 hours of courses; 905 students had courses totaling 201 to 400 hours; and 353 had 401 or more hours of course work. The total percentage of students who had selected any Art courses increased 1.7 over the Class of 1986 study.

PARTICIPATION IN ART
Class of 1987
Grades 10-12
(100 Hours=Approximately 1 Semester)



CLASS OF 1987 ART STUDENTS
PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	66.0	63.5	64.9	61.3	69.2	65.4
Return Incomplete	7.8	8.5	7.1	9.1	6.8	7.9
No Return Received	26.2	28.0	28.0	29.6	24.1	26.7
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(3509)	(905)	(353)	(2258)	(2509)	(4767)

CLASS OF 1987 ART STUDENTS
PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	12.0	14.4	14.4	12.0	13.1	12.6
Community College	11.3	11.1	10.0	11.2	11.2	11.2
4-year College or University	35.3	29.9	26.0	30.4	36.2	33.6
Apprenticeship	0.5	0.9	0.4	0.9	0.3	0.6
Other Education	2.0	1.8	2.0	1.8	2.2	2.0
EMPLOYMENT						
Paid Employment	59.9	60.1	64.8	57.2	62.9	60.3
Homemaker	2.8	2.4	4.0	0.4	4.8	2.8
Military	5.6	6.8	4.4	10.8	1.5	5.7
Unemployed	10.9	12.6	10.8	10.3	12.0	11.2
OTHER						
Other Activity	2.2	1.8	1.2	2.0	2.2	2.1
Total Responses	142.6 (3685)	141.9 (935)	138.0 (345)	137.1 (2175)	146.4 (2790)	142.1 (4965)
Total Reporting Activity	100.0 (2584)	100.0 (659)	100.0 (250)	100.0 (1587)	100.0 (1906)	100.0 (3493)

CLASS OF 1987 ART STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	28.2	29.1	35.7	29.7	28.3	28.9
Paid Employment and Vocational School	7.5	6.9	6.0	6.9	7.6	7.3
Paid Employment and Community College	7.4	7.6	7.6	6.6	8.1	7.4
Paid Employment and College or University	14.3	13.7	12.4	12.3	15.6	14.1
Vocational School (only)	2.9	4.6	4.4	3.2	3.4	3.3
Community College (only)	2.4	2.3	1.6	2.8	1.8	2.3
4-year College or University (only)	16.3	12.3	11.6	15.2	15.3	15.2
Education and Seeking Employment	6.9	6.6	6.4	5.7	7.7	6.8
Unemployed (only)	2.7	4.9	3.2	3.5	2.9	3.2
Activities Other Than The Above	11.4	12.0	10.8	14.1	9.3	11.5
Total Reporting Activity	100.0 (2579)	100.0 (656)	100.0 (249)	100.0 (1584)	100.0 (1900)	100.0 (3484)

CLASS OF 1987 ART STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	84.9	84.3	84.6	84.7	84.8	84.8
Part-Time	15.1	15.7	15.4	15.3	15.2	15.2
Total Reporting Status	100.0 (1495)	100.0 (364)	100.0 (130)	100.0 (837)	100.0 (1152)	100.0 (1989)

CLASS OF 1987 ART STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	17.2	14.9	12.6	18.3	15.1	16.4
State Universities	14.8	14.9	9.2	12.5	15.9	14.5
Area Vocational-Technical Institutes	16.3	21.9	21.0	20.3	15.7	17.6
Community College	17.8	18.5	17.6	19.4	16.9	17.9
Private Vocational Schools (including health related)	7.0	8.2	11.8	4.3	9.8	7.5
Private Jr. Colleges Liberal Arts Colleges	11.6	8.5	12.6	10.1	11.8	11.1
Institutions Outside Minnesota	15.0	12.5	14.3	14.9	14.3	14.5
Schools Not Reported	0.3	0.6	0.8	0.1	0.6	0.4
Total Reporting Schools	100.0 (1370)	100.0 (329)	100.0 (119)	100.0 (759)	100.0 (1059)	100.0 (1818)

CLASS OF 1987 ART STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	48.4	52.3	51.6	53.9	45.9	49.4
Part-Time	51.6	47.7	48.4	46.1	54.1	50.6
Total Reporting Employed Status	100.0 (1536)	100.0 (392)	100.0 (161)	100.0 (900)	100.0 (1189)	100.0 (2089)

CLASS OF 1987 ART STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below $3.00 per hour	0.6	0.4	0.9	0.3	0.8	0.6
$3.00 - $3.99 per hour	28.1	33.2	29.9	18.8	36.2	29.2
$4.00 - $4.99 per hour	31.3	32.9	31.6	30.8	32.1	31.6
$5.00 - $5.99 per hour	19.6	19.1	23.1	23.1	17.6	19.8
$6.00 - $6.99 per hour	10.4	8.3	8.5	13.0	7.8	9.9
$7.00 per hour or more	10.0	6.1	6.0	14.0	5.6	9.0
Total Reporting Wages	100.0 (1113)	100.0 (277)	100.0 (117)	100.0 (607)	100.0 (900)	100.0 (1507)

CLASS OF 1987 ART STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	2.1	1.3	0.0	2.8	1.0	1.8
Mining	0.0	0.0	0.6	0.1	0.0	0.0
Construction	1.6	1.9	0.6	3.6	0.1	1.6
Manufacturing	12.6	12.0	13.0	18.8	7.9	12.5
Transportation, Communications, and Other Public Utilities	2.5	1.9	1.9	3.3	1.6	2.4
Wholesale and Retail Trade	45.4	49.7	53.7	43.5	49.3	46.8
Finance, Insurance, and Real Estate	2.5	2.1	1.9	1.0	3.4	2.4
Business and Repair Services	3.9	5.3	6.2	6.8	2.6	4.4
Personal Services	4.3	5.1	4.9	2.8	5.8	4.5
Entertainment and Recreation Services	2.7	1.9	3.1	3.0	2.2	2.6
Professional and Related Services	19.1	16.0	13.0	10.9	23.3	18.1
Public Administration	1.5	1.3	0.0	1.3	1.5	1.4
Industry Not Reported	1.7	1.3	1.2	2.1	1.3	1.6
Total Reporting Activity	100.0 (1497)	100.0 (374)	100.0 (162)	100.0 (868)	100.0 (1165)	100.0 (2033)

CLASS OF 1987 ART STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scientific, Teaching, and Related Occupations, Including Creative Artists	3.2	3.1	3.1	3.9	2.7	3.2
Technologists and Technicians Including Health	1.1	1.6	1.3	0.8	1.5	1.2
Marketing and Sales	21.3	25.1	20.1	13.5	28.1	21.9
Clerical	17.9	14.9	15.7	9.0	23.1	17.2
Service	30.8	31.7	33.3	24.9	35.7	31.1
Farming, Forestry, and Fishing	2.8	1.6	1.9	4.2	1.3	2.5
Construction and Extractive	1.4	1.8	1.9	3.5	0.0	1.5
Transportation and Material Moving	1.5	1.8	3.1	3.3	0.5	1.7
Mechanics and Repairers	1.8	3.1	0.6	4.2	0.3	1.9
Production	8.4	7.6	8.8	13.4	4.5	8.3
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	9.9	7.6	10.1	19.2	2.3	9.5
Total Reporting Occupations	100.0 (1479)	100.0 (382)	100.0 (159)	100.0 (852)	100.0 (1168)	100.0 (2020)

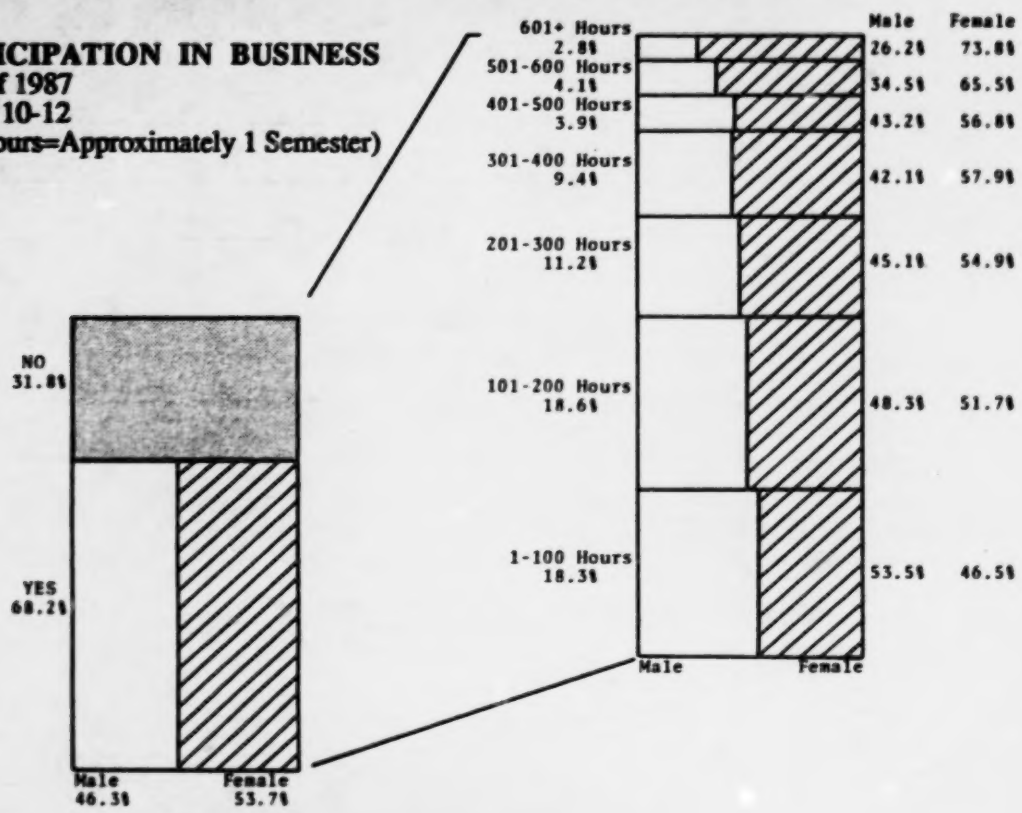
CLASS OF 1987 BUSINESS STUDENTS

Business classes were selected by 68.2 percent of the 13,945 students who participated in the follow-up study. The data reported in this section include the 9,511 students who completed one or more courses in the curriculum category of Business.

46.3 percent of these Business students were male, and 53.7 percent were female. Of these students surveyed, 79.1 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Accounting Principles, Typewriting, Business Correspondence, and Business Law.

Of the 9,511 Business students, 5,141 had from 1 to 200 hours of courses; 2,875 students had courses totaling 201 to 400 hours; and 1,495 had 401 or more hours of course work. The total percentage of students who had selected any Business courses decreased 5.1 from the Class of 1986 study.

PARTICIPATION IN BUSINESS
Class of 1987
Grades 10-12
(100 Hours=Approximately 1 Semester)



CLASS OF 1987 BUSINESS STUDENTS
PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	71.1	73.1	71.3	68.4	74.6	71.8
Return Incomplete	7.6	7.1	6.4	8.1	6.6	7.3
No Return Received	21.2	19.8	22.3	23.5	18.8	21.0
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(5141)	(2875)	(1495)	(4401)	(5110)	(9511)

CLASS OF 1987 BUSINESS STUDENTS
PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	9.7	11.6	17.2	10.4	12.4	11.5
Community College	11.2	13.2	13.5	11.9	12.4	12.2
4-year College or University	44.4	41.1	39.6	41.0	43.9	42.6
Apprenticeship	0.5	0.3	0.2	0.6	0.3	0.4
Other Education	1.4	1.5	2.0	1.3	1.7	1.5
EMPLOYMENT						
Paid Employment	55.5	57.2	54.9	51.9	59.2	55.9
Homemaker	1.7	2.3	2.9	0.1	3.7	2.1
Military	5.8	4.7	4.2	10.0	1.2	5.2
Unemployed	12.2	11.9	12.4	11.3	12.9	12.2
OTHER						
Other Activity	1.9	1.5	2.3	1.9	1.8	1.8
Total Responses	144.3 (5836)	145.4 (3390)	149.3 (1796)	140.5 (4789)	149.5 (6233)	145.4 (11022)
Total Reporting Activity	100.0 (4044)	100.0 (2332)	100.0 (1203)	100.0 (3409)	100.0 (4170)	100.0 (7579)

CLASS OF 1987 BUSINESS STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	23.6	24.1	20.5	23.6	23.1	23.3
Paid Employment and Vocational School	5.6	7.0	9.2	5.9	7.1	6.6
Paid Employment and Community College	7.9	8.9	7.6	7.2	9.0	8.1
Paid Employment and College or University	16.8	15.1	15.3	14.1	17.7	16.0
Vocational School (only)	2.4	3.0	5.0	3.0	3.0	3.0
Community College (only)	1.8	2.7	3.3	3.0	1.8	2.3
4-year College or University (only)	20.8	19.8	18.7	20.9	19.5	20.1
Education and Seeking Employment	9.1	8.8	10.1	8.5	9.7	9.2
Unemployed (only)	2.0	2.0	1.4	1.8	2.0	1.9
Activities Other Than The Above	9.9	8.6	8.8	12.2	7.1	9.4
Total Reporting Activity	100.0 (4037)	100.0 (2325)	100.0 (1198)	100.0 (3405)	100.0 (4155)	100.0 (7560)

CLASS OF 1987 BUSINESS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	86.1	84.8	85.9	86.3	85.2	85.7
Part-Time	13.9	15.2	14.1	13.7	14.8	14.3
Total Reporting Status	100.0 (2607)	100.0 (1493)	100.0 (831)	100.0 (2107)	100.0 (2824)	100.0 (4931)

CLASS OF 1987 BUSINESS STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	18.3	12.0	7.8	16.9	12.9	14.6
State Universities	15.7	22.5	25.7	20.2	18.9	19.5
Area Vocational-Technical Institutes	12.3	14.1	20.6	15.5	13.3	14.2
Community College	16.4	17.9	17.8	17.4	16.8	17.1
Private Vocational Schools (including health related)	4.6	6.0	7.1	3.1	7.2	5.5
Private Jr. Colleges Liberal Arts Colleges	16.2	13.1	7.3	11.7	15.2	13.7
Institutions Outside Minnesota	16.4	14.0	13.6	15.2	15.2	15.2
Schools Not Reported	0.1	0.4	0.1	0.0	0.4	0.2
Total Reporting Schools	100.0 (2432)	100.0 (1389)	100.0 (771)	100.0 (1950)	100.0 (2642)	100.0 (4592)

CLASS OF 1987 BUSINESS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	45.9	47.0	43.9	51.6	41.9	45.9
Part-Time	54.1	53.0	56.1	48.4	58.1	54.1
Total Reporting Employed Status	100.0 (2217)	100.0 (1322)	100.0 (649)	100.0 (1747)	100.0 (2441)	100.0 (4188)

CLASS OF 1987 BUSINESS STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below $3.00 per hour	0.3	0.8	0.4	0.3	0.5	0.5
$3.00 - $3.99 per hour	30.0	33.4	33.9	23.3	37.2	31.7
$4.00 - $4.99 per hour	29.2	29.5	33.1	29.1	30.5	30.0
$5.00 - $5.99 per hour	21.0	17.8	17.2	22.0	17.6	19.3
$6.00 - $6.99 per hour	9.2	8.7	8.4	9.5	8.5	8.9
$7.00 per hour or more	10.3	9.8	7.0	15.8	5.5	9.6
Total Reporting Wages	100.0 (1543)	100.0 (953)	100.0 (513)	100.0 (1184)	100.0 (1825)	100.0 (3009)

CLASS OF 1987 BUSINESS STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	2.6	2.2	1.6	5.2	0.3	2.3
Mining	0.1	0.0	0.0	0.1	0.0	0.0
Construction	2.7	2.3	1.1	5.1	0.4	2.4
Manufacturing	10.8	13.4	13.2	16.4	8.8	12.0
Transportation, Communications, and Other Public Utilities	2.2	2.3	2.6	3.5	1.5	2.3
Wholesale and Retail Trade	45.9	46.8	45.4	42.8	48.4	46.1
Finance, Insurance, and Real Estate	2.5	3.9	4.7	0.9	4.9	3.3
Business and Repair Services	4.5	4.4	4.2	6.7	2.8	4.4
Personal Services	4.2	3.9	3.1	2.4	5.0	3.9
Entertainment and Recreation Services	2.2	2.1	2.1	2.7	1.8	2.1
Professional and Related Services	19.6	17.0	19.2	11.3	23.9	18.7
Public Administration	1.0	1.2	1.6	1.3	1.1	1.2
Industry Not Reported	1.7	0.5	1.1	1.6	1.0	1.2
Total Reporting Activity	100.0 (2160)	100.0 (1287)	100.0 (615)	100.0 (1677)	100.0 (2385)	100.0 (4062)

CLASS OF 1987 BUSINESS STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scientific, Teaching, and Related Occupations, Including Creative Artists	3.5	3.4	3.5	3.8	3.3	3.5
Technologists and Technicians Including Health	1.3	0.7	0.8	0.8	1.1	1.0
Marketing and Sales	21.6	21.8	23.2	14.2	27.4	21.9
Clerical	17.5	22.8	29.4	8.2	29.9	21.0
Service	30.1	28.6	27.3	26.4	31.2	29.2
Farming, Forestry, and Fishing	2.8	2.2	2.4	5.5	0.5	2.5
Construction and Extractive	2.0	1.5	1.1	4.0	0.0	1.7
Transportation and Material Moving	1.7	2.0	1.6	3.9	0.3	1.8
Mechanics and Repairers	2.1	1.6	0.6	4.0	0.2	1.8
Production	6.8	6.7	5.8	10.1	4.1	6.6
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	10.6	8.7	4.2	19.1	2.0	9.0
Total Reporting Occupations	100.0 (2145)	100.0 (1292)	100.0 (620)	100.0 (1666)	100.0 (2391)	100.0 (4057)

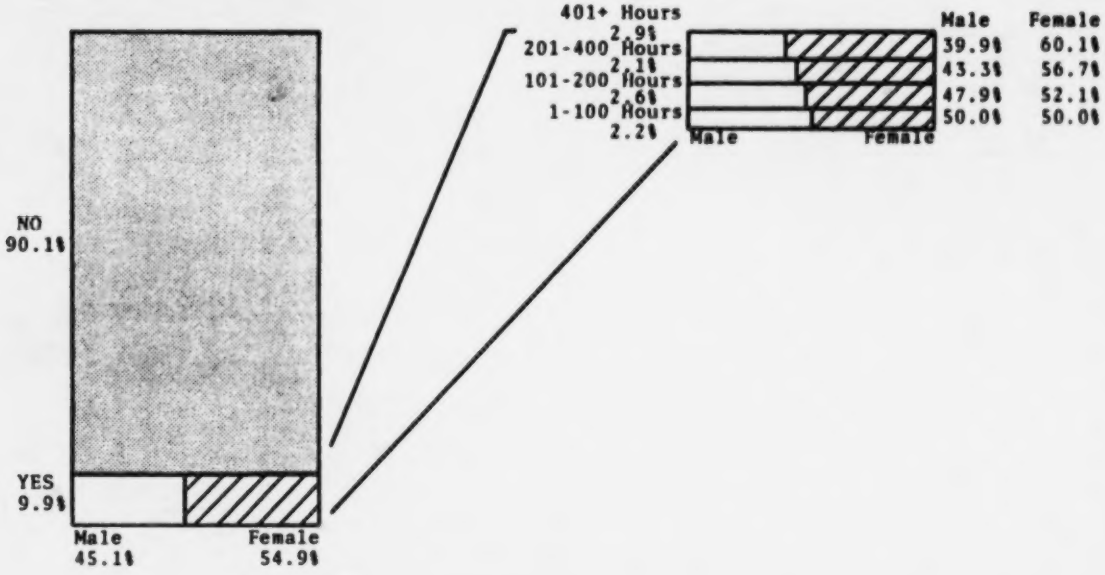
CLASS OF 1987 DISTRIBUTIVE EDUCATION STUDENTS

Distributive Education classes were selected by 9.9 percent of the 13,945 students who participated in the follow-up study. The data reported in this section include the 1,377 students who completed one or more courses in the curriculum category of Distributive Education.

45.1 percent of the Distributive Education students were male, and 54.9 percent were female. Of these students surveyed, 76.4 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Advertising Principles, Principles of Marketing, Retailing, and Sales Management.

Of the 1,377 Distributive Education students, 687 had from 1 to 200 hours of courses; 289 students had courses totaling 201 to 400 hours; and 401 had 401 or more hours of course work. The total percentage of students who had selected any Distributive Education courses decreased .7 from the Class of 1986 study.

PARTICIPATION IN DISTRIBUTIVE EDUCATION
Class of 1987
Grades 10-12
(100 Hours=Approximately 1 Semester)



CLASS OF 1987 DISTRIBUTIVE EDUCATION STUDENTS
PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	72.2	68.5	62.6	67.6	69.4	68.6
Return Incomplete	6.8	7.6	9.7	10.3	5.8	7.8
No Return Received	21.0	23.9	27.7	22.1	24.7	23.5
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(687)	(289)	(401)	(621)	(756)	(1377)

CLASS OF 1987 DISTRIBUTIVE EDUCATION STUDENTS
PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	11.6	17.2	14.2	10.6	15.9	13.5
Community College	16.6	11.2	13.9	15.7	13.9	14.7
4-year College or University	25.4	16.7	17.3	23.4	19.6	21.3
Apprenticeship	0.2	0.0	0.3	0.4	0.0	0.2
Other Education	2.8	4.2	2.0	2.3	3.4	2.9
EMPLOYMENT						
Paid Employment	67.0	67.9	66.8	62.2	71.3	67.1
Homemaker	1.9	4.2	2.7	0.0	4.8	2.6
Military	5.0	8.4	6.1	11.7	1.2	6.0
Unemployed	10.8	10.2	12.5	9.6	12.5	11.2
OTHER						
Other Activity	1.3	0.5	1.7	1.0	1.4	1.2
Total Responses	142.5 (764)	140.5 (302)	137.6 (406)	137.0 (656)	143.9 (816)	140.7 (1472)
Total Reporting Activity	100.0 (536)	100.0 (215)	100.0 (295)	100.0 (479)	100.0 (567)	100.0 (1046)

CLASS OF 1987 DISTRIBUTIVE EDUCATION STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	33.4	36.3	41.3	33.5	38.5	36.2
Paid Employment and Vocational School	6.9	9.8	7.2	5.9	9.0	7.6
Paid Employment and Community College	12.7	8.8	9.6	11.1	11.0	11.0
Paid Employment and College or University	11.2	10.7	6.1	10.0	9.4	9.7
Vocational School (only)	2.8	5.1	2.7	3.1	3.4	3.3
Community College (only)	2.4	1.4	2.7	2.9	1.8	2.3
4-year College or University (only)	11.6	4.7	7.5	11.3	7.1	9.0
Education and Seeking Employment	6.0	4.2	7.8	4.8	7.2	6.1
Unemployed (only)	3.7	2.8	3.4	3.6	3.4	3.4
Activities Other Than The Above	9.3	16.3	11.6	13.8	9.4	11.4
Total Reporting Activity	100.0 (536)	100.0 (215)	100.0 (293)	100.0 (478)	100.0 (566)	100.0 (1044)

CLASS OF 1987 DISTRIBUTIVE EDUCATION STUDENTS PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	80.4	77.1	82.0	85.6	75.8	80.2
Part-Time	19.6	22.9	18.0	14.4	24.2	19.8
Total Reporting Status	100.0 (296)	100.0 (96)	100.0 (133)	100.0 (236)	100.0 (289)	100.0 (525)

CLASS OF 1987 DISTRIBUTIVE EDUCATION STUDENTS PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS AT PRESENT

Status	1- hou..	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	12.5	7.7	13.4	13.2	10.6	11.8
State Universities	15.1	11.0	10.2	16.8	9.9	13.0
Area Vocational-Technical Institutes	16.2	31.9	19.7	19.1	20.9	20.1
Community College	27.5	15.4	25.2	27.3	22.4	24.6
Private Vocational Schools (including health related)	8.3	15.4	18.1	4.1	19.0	12.2
Private Jr. Colleges Liberal Arts Colleges	6.8	6.6	3.1	5.0	6.5	5.8
Institutions Outside Minnesota	13.6	12.1	10.2	14.5	10.6	12.4
Schools Not Reported	0.0	0.0	0.0	0.0	0.0	0.0
Total Reporting Schools	100.0 (265)	100.0 (91)	100.0 (127)	100.0 (220)	100.0 (263)	100.0 (483)

CLASS OF 1987 DISTRIBUTIVE EDUCATION STUDENTS PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	55.1	55.8	66.3	63.5	54.7	58.4
Part-Time	44.9	44.2	33.7	36.5	45.3	41.6
Total Reporting Employed Status	100.0 (350)	100.0 (147)	100.0 (193)	100.0 (293)	100.0 (397)	100.0 (690)

CLASS OF 1987 DISTRIBUTIVE EDUCATION STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below $3.00 per hour	0.0	0.0	0.0	0.0	0.0	0.0
$3.00 - $3.99 per hour	27.1	25.7	24.4	21.1	29.1	26.1
$4.00 - $4.99 per hour	29.6	37.6	27.4	29.4	31.4	30.7
$5.00 - $5.99 per hour	20.8	18.8	23.0	21.7	20.6	21.0
$6.00 - $6.99 per hour	13.8	10.9	13.3	12.2	13.5	13.0
$7.00 per hour or more	8.8	6.9	11.9	15.6	5.4	9.2
Total Reporting Wages	100.0 (240)	100.0 (101)	100.0 (135)	100.0 (180)	100.0 (296)	100.0 (476)

CLASS OF 1987 DISTRIBUTIVE EDUCATION STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	2.0	1.4	2.1	3.9	0.5	1.9
Mining	0.0	0.0	0.0	0.0	0.0	0.0
Construction	3.2	2.1	2.6	6.3	0.3	2.8
Manufacturing	12.0	9.1	10.6	16.1	7.3	11.0
Transportation, Communications, and Other Public Utilities	3.4	4.9	3.7	4.9	3.0	3.8
Wholesale and Retail Trade	49.3	54.5	52.9	46.3	55.1	51.4
Finance, Insurance, and Real Estate	4.0	4.9	5.8	2.1	6.6	4.7
Business and Repair Services	3.2	1.4	3.2	4.6	1.5	2.8
Personal Services	3.7	2.8	4.2	1.4	5.3	3.7
Entertainment and Recreation Services	2.3	2.8	2.6	4.2	1.3	2.5
Professional and Related Services	13.5	14.7	7.9	7.4	15.7	12.2
Public Administration	2.3	0.0	2.6	1.8	2.0	1.9
Industry Not Reported	1.1	1.4	1.6	1.1	1.5	1.3
Total Reporting Activity	100.0 (349)	100.0 (143)	100.0 (189)	100.0 (285)	100.0 (396)	100.0 (681)

CLASS OF 1987 DISTRIBUTIVE EDUCATION STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

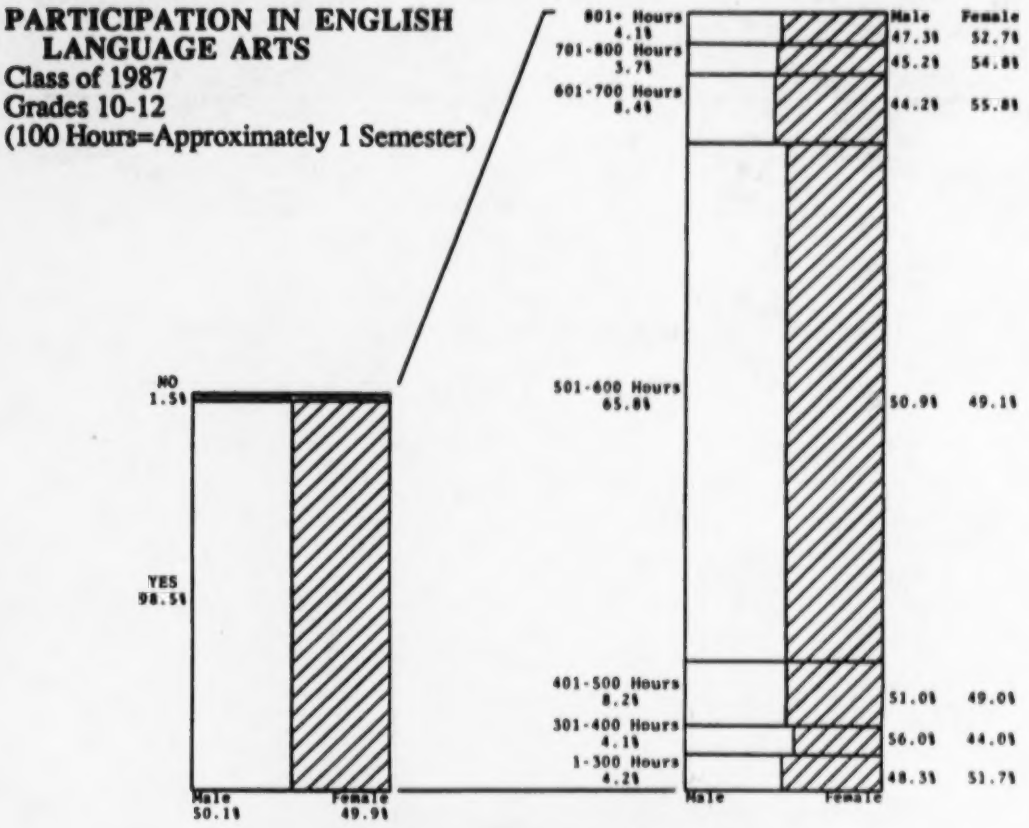
Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scientific, Teaching, and Related Occupations, Including Creative Artists	4.1	3.5	4.3	5.7	2.8	4.0
Technologists and Technicians Including Health	1.2	0.0	1.1	1.1	0.8	0.9
Marketing and Sales	27.8	28.2	26.9	17.9	34.5	27.6
Clerical	19.4	21.1	23.1	9.7	28.7	20.8
Service	24.6	28.2	21.5	21.9	26.4	24.5
Farming, Forestry, and Fishing	2.3	1.4	1.6	3.9	0.5	1.9
Construction and Extractive	2.3	2.1	1.1	4.7	0.0	1.9
Transportation and Material Moving	1.2	0.7	2.7	3.2	0.3	1.5
Mechanics and Repairers	2.6	1.4	1.6	5.0	0.0	2.1
Production	5.8	7.0	7.0	10.0	3.8	6.4
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	8.7	6.3	9.1	16.8	2.3	8.3
Total Reporting Occupations	100.0 (345)	100.0 (142)	100.0 (186)	100.0 (279)	100.0 (394)	100.0 (673)

CLASS OF 1987 ENGLISH LANGUAGE ARTS STUDENTS

English Language Arts classes were selected by 98.5 percent of the 13,945 students who participated in the follow-up study. The data reported in this section include the 13,742 students who completed one or more courses in the curriculum category of English Language Arts.

50.1 percent of these English Language Arts students were male, and 49.9 percent were female. Of these students surveyed, 77.3 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: American Literature, Grammar, Public Speaking, and Reading.

Of the 13,742 English Language Arts students, 239 had from 1 to 200 hours of courses; 922 students had courses totaling 201 to 400 hours; and 12,581 had 401 or more hours of course work. The total percentage of students who had selected any English Language Arts courses decreased .4 from the Class of 1986 study.



CLASS OF 1987 ENGLISH STUDENTS PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	41.0	57.8	70.7	66.0	72.7	69.3
Return Incomplete	6.3	7.6	8.0	8.9	7.0	8.0
No Return Received	52.7	34.6	21.3	25.1	20.3	22.7
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(239)	(922)	(12581)	(6884)	(6858)	(13742)

CLASS OF 1987 ENGLISH STUDENTS
PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	11.2	10.8	10.9	10.6	11.2	10.9
Community College	8.4	11.5	11.2	10.8	11.6	11.2
4-year College or University	24.3	35.9	44.1	40.1	46.6	43.4
Apprenticeship	0.9	0.7	0.4	0.6	0.3	0.5
Other Education	2.8	2.2	1.7	1.4	2.0	1.7
EMPLOYMENT						
Paid Employment	67.3	58.7	56.5	53.5	59.7	56.7
Homemaker	4.7	2.9	1.8	0.2	3.5	1.9
Military	0.9	6.9	5.5	10.0	1.4	5.6
Unemployed	11.2	16.4	10.5	10.0	11.7	10.9
OTHER						
Other Activity	3.7	2.4	2.0	2.2	1.8	2.0
Total Responses	135.5 (145)	148.4 (877)	144.7 (14360)	139.5 (7197)	149.8 (8185)	144.8 (15382)
Total Reporting Activity	100.0 (107)	100.0 (591)	100.0 (9926)	100.0 (5160)	100.0 (5464)	100.0 (10624)

CLASS OF 1987 ENGLISH STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	43.0	26.7	23.2	25.1	22.2	23.6
Paid Employment and Vocational School	7.5	6.9	6.4	6.4	6.6	6.5
Paid Employment and Community College	4.7	7.3	7.6	6.6	8.5	7.6
Paid Employment and College or University	9.3	15.2	17.4	14.3	19.9	17.2
Vocational School (only)	2.8	2.0	2.9	2.9	2.7	2.8
Community College (only)	0.9	2.4	2.2	2.7	1.8	2.2
4-year College or University (only)	11.2	12.7	20.9	20.5	20.2	20.4
Education and Seeking Employment	7.5	11.0	7.9	7.2	8.8	8.0
Unemployed (only)	2.8	2.2	1.9	1.9	1.9	1.9
Activities Other Than The Above	10.3	13.5	9.6	12.5	7.3	9.8
Total Reporting Activity	100.0 (107)	100.0 (591)	100.0 (9901)	100.0 (5151)	100.0 (5448)	100.0 (10599)

CLASS OF 1987 ENGLISH STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	78.3	80.1	86.0	86.7	84.9	85.7
Part-Time	21.7	19.9	14.0	13.3	15.1	14.3
Total Reporting Status	100.0 (46)	100.0 (342)	100.0 (6479)	100.0 (3110)	100.0 (3757)	100.0 (6867)

CLASS OF 1987 ENGLISH STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	20.5	16.0	17.4	19.4	15.6	17.3
State Universities	11.4	17.6	16.3	15.9	16.7	16.3
Area Vocational-Technical Institutes	22.7	16.6	13.0	15.1	11.7	13.2
Community College	15.9	15.7	16.0	16.5	15.5	16.0
Private Vocational Schools (including health related)	4.5	5.3	5.6	4.0	6.9	5.6
Private Jr. Colleges Liberal Arts Colleges	11.4	13.8	15.1	12.2	17.3	15.0
Institutions Outside Minnesota	11.4	15.0	16.4	16.8	15.9	16.3
Schools Not Reported	2.3	0.0	0.2	0.0	0.4	0.2
Total Reporting Schools	100.0 (44)	100.0 (319)	100.0 (5992)	100.0 (2875)	100.0 (3480)	100.0 (6355)

CLASS OF 1987 ENGLISH STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	57.3	49.6	45.3	52.0	40.3	45.7
Part-Time	42.7	50.4	54.7	48.0	59.7	54.3
Total Reporting Employed Status	100.0 (75)	100.0 (343)	100.0 (5554)	100.0 (2732)	100.0 (3240)	100.0 (5972)

CLASS OF 1987 ENGLISH STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below $3.00 per hour	0.0	0.9	0.5	0.3	0.7	0.5
$3.00 - $3.99 per hour	25.5	31.2	29.7	20.2	37.0	29.8
$4.00 - $4.99 per hour	23.4	26.5	30.3	28.8	30.9	30.0
$5.00 - $5.99 per hour	19.1	16.7	20.5	23.9	17.6	20.3
$6.00 - $6.99 per hour	8.5	13.2	9.2	10.5	8.6	9.4
$7.00 per hour or more	23.4	11.5	9.7	16.3	5.2	10.0
Total Reporting Wages	100.0 (47)	100.0 (234)	100.0 (3981)	100.0 (1831)	100.0 (2431)	100.0 (4262)

CLASS OF 1987 ENGLISH STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	6.9	3.0	2.2	4.5	0.4	2.3
Mining	0.0	0.0	0.1	0.1	0.0	0.1
Construction	1.4	3.0	2.3	4.7	0.4	2.4
Manufacturing	8.3	11.7	11.8	16.4	7.9	11.7
Transportation, Communications, and Other Public Utilities	2.8	2.4	2.5	3.7	1.5	2.5
Wholesale and Retail Trade	45.8	42.2	46.5	43.4	48.6	46.3
Finance, Insurance, and Real Estate	2.8	2.1	2.7	0.8	4.3	2.7
Business and Repair Services	6.9	6.0	4.7	7.3	2.6	4.8
Personal Services	4.2	5.4	3.9	2.4	5.4	4.0
Entertainment and Recreation Services	2.8	1.8	2.5	3.0	2.1	2.5
Professional and Related Services	13.9	20.2	17.8	10.6	24.0	17.9
Public Administration	2.8	1.5	1.1	1.3	1.0	1.2
Industry Not Reported	1.4	0.6	1.8	1.8	1.7	1.8
Total Reporting Activity	100.0 (72)	100.0 (332)	100.0 (5361)	100.0 (2620)	100.0 (3145)	100.0 (5765)

CLASS OF 1987 ENGLISH STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scientific, Teaching, and Related Occupations, Including Creative Artists	1.4	2.1	3.7	4.1	3.2	3.6
Technologists and Technicians Including Health	1.4	1.2	0.9	0.7	1.0	0.9
Marketing and Sales	14.1	15.6	21.9	14.1	27.6	21.5
Clerical	16.9	18.3	19.4	8.6	28.2	19.3
Service	39.4	32.1	29.8	26.3	33.2	30.1
Farming, Forestry, and Fishing	7.0	4.2	2.3	4.8	0.6	2.5
Construction and Extractive	2.8	2.1	1.8	3.9	0.1	1.8
Transportation and Material Moving	5.6	3.6	1.8	3.8	0.3	1.9
Mechanics and Repairers	2.8	2.4	2.1	4.5	0.2	2.1
Production	5.6	5.4	6.9	10.5	3.7	6.8
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	2.8	12.9	9.4	18.7	2.0	9.5
Total Reporting Occupations	100.0 (71)	100.0 (333)	100.0 (5322)	100.0 (2583)	100.0 (3143)	100.0 (5726)

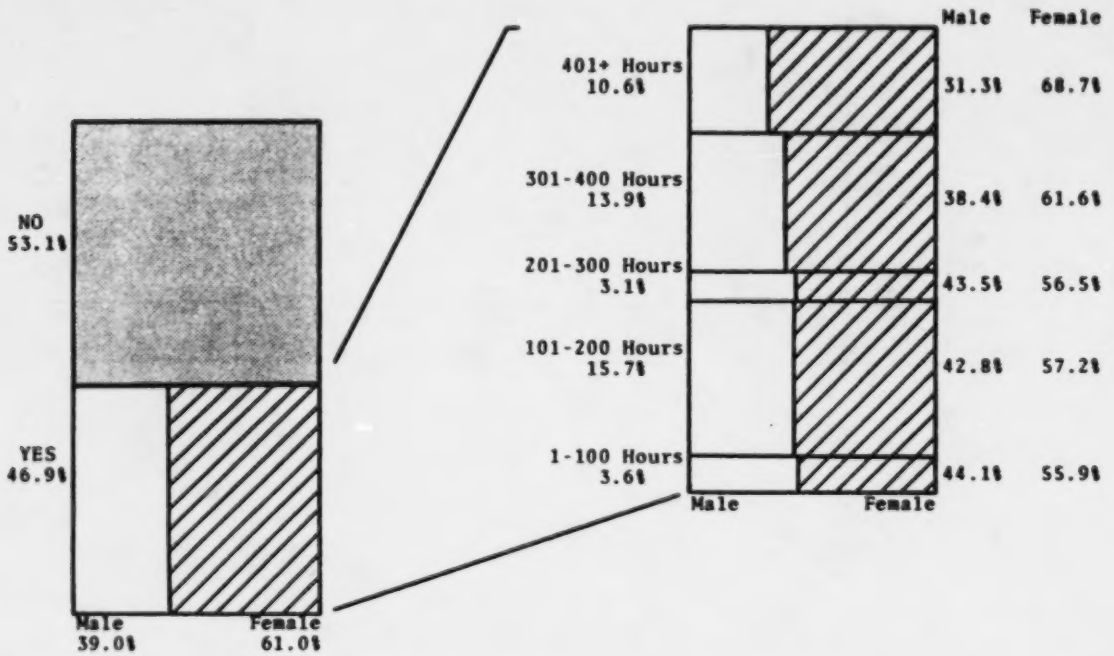
CLASS OF 1987 FOREIGN LANGUAGE STUDENTS

Foreign Language classes were selected by 46.9 percent of the 13,945 students who participated in the follow-up study. The data reported in this section include the 6,545 students who completed one or more courses in the curriculum category of Foreign Language.

Thirty-nine percent of these Foreign Language students were male, and sixty-one percent were female. Of these students surveyed, 81.1 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: German, Spanish and French.

Of the 6,545 Foreign Language students, 2,697 had from 1 to 200 hours of courses; 2,374 students had courses totaling 201 to 400 hours; and 1,474 had 401 or more hours of course work. The total percentage of students who had selected any Foreign Language courses increased 7.7 over the Class of 1986 study.

PARTICIPATION IN FOREIGN LANGUAGE
Class of 1987
Grades 10-12
(100 Hours=Approximately 1 Semester)



CLASS OF 1987 FOREIGN LANGUAGE STUDENTS
PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	70.6	75.4	75.2	70.1	75.5	73.4
Return Incomplete	7.5	7.4	8.5	8.6	7.0	7.7
No Return Received	21.9	17.1	16.4	21.3	17.4	18.9
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(2697)	(2374)	(1474)	(2555)	(3990)	(6545)

CLASS OF 1987 FOREIGN LANGUAGE STUDENTS
PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	8.5	4.2	2.7	3.6	6.7	5.5
Community College	13.3	10.3	9.5	10.3	11.9	11.3
4-year College or University	49.6	69.0	73.5	64.4	61.1	62.4
Apprenticeship	0.3	0.3	0.5	0.5	0.2	0.3
Other Education	1.4	1.2	2.0	1.3	1.6	1.5
EMPLOYMENT						
Paid Employment	54.3	49.1	48.8	44.2	55.3	51.1
Homemaker	2.1	1.1	0.9	0.3	2.1	1.5
Military	5.1	3.3	2.4	7.9	1.2	3.8
Unemployed	11.2	10.6	9.3	9.3	11.2	10.5
OTHER						
Other Activity	2.0	2.2	2.0	2.9	1.6	2.1
Total Responses	147.7 (3092)	151.3 (2967)	151.6 (1885)	144.8 (2902)	153.1 (5042)	149.9 (7944)
Total Reporting Activity	100.0 (2094)	100.0 (1961)	100.0 (1243)	100.0 (2004)	100.0 (3294)	100.0 (5298)

CLASS OF 1987 FOREIGN LANGUAGE STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	18.3	11.0	8.8	11.5	14.5	13.3
Paid Employment and Vocational School	5.1	2.7	1.7	2.1	4.2	3.4
Paid Employment and Community College	8.9	7.7	7.0	6.8	8.8	8.0
Paid Employment and College or University	19.6	26.8	30.1	22.7	26.0	24.7
Vocational School (only)	2.3	1.1	0.6	1.2	1.7	1.5
Community College (only)	2.7	1.9	1.4	2.4	1.9	2.1
4-year College or University (only)	23.5	32.6	35.4	34.1	27.0	29.7
Education and Seeking Employment	8.6	9.6	8.3	7.8	9.5	8.9
Unemployed (only)	1.6	0.5	0.4	0.6	1.1	0.9
Activities Other Than The Above	9.4	6.1	6.2	10.7	5.4	7.4
Total Reporting Activity	100.0 (2092)	100.0 (1958)	100.0 (1239)	100.0 (2002)	100.0 (3287)	100.0 (5289)

CLASS OF 1987 FOREIGN LANGUAGE STUDENTS PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	85.4	88.0	89.6	88.5	86.9	87.5
Part-Time	14.6	12.0	10.4	11.5	13.1	12.5
Total Reporting Status	100.0 (1472)	100.0 (1613)	100.0 (1040)	100.0 (1534)	100.0 (2591)	100.0 (4125)

CLASS OF 1987 FOREIGN LANGUAGE STUDENTS PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	17.1	22.8	22.4	24.8	18.2	20.6
State Universities	20.6	16.7	13.1	17.0	17.4	17.2
Area Vocational-Technical Institutes	9.2	3.1	2.4	3.9	5.9	5.1
Community College	17.2	11.6	10.6	12.3	14.0	13.4
Private Vocational Schools (including health related)	4.7	3.6	1.9	2.0	4.5	3.6
Private Jr. Colleges Liberal Arts Colleges	14.7	21.0	27.2	18.9	21.1	20.3
Institutions Outside Minnesota	16.2	21.2	22.3	21.1	18.8	19.7
Schools Not Reported	0.1	0.1	0.1	0.0	0.2	0.1
Total Reporting Schools	100.0 (1377)	100.0 (1462)	100.0 (952)	100.0 (1401)	100.0 (2390)	100.0 (3791)

CLASS OF 1987 FOREIGN LANGUAGE STUDENTS PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	39.6	27.7	22.8	33.1	30.9	31.7
Part-Time	60.4	72.3	77.2	66.9	69.1	68.3
Total Reporting Employed Status	100.0 (1131)	100.0 (955)	100.0 (596)	100.0 (878)	100.0 (1804)	100.0 (2682)

CLASS OF 1987 FOREIGN LANGUAGE STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below $3.00 per hour	0.7	0.3	0.4	0.2	0.6	0.5
$3.00 - $3.99 per hour	35.0	33.3	32.6	24.1	38.2	33.8
$4.00 - $4.99 per hour	30.0	31.6	33.9	29.6	32.4	31.5
$5.00 - $5.99 per hour	18.7	18.0	20.8	23.8	16.8	18.9
$6.00 - $6.99 per hour	8.4	8.4	7.5	9.0	7.8	8.2
$7.00 per hour or more	7.2	8.4	4.8	13.3	4.2	7.1
Total Reporting Wages	100.0 (823)	100.0 (724)	100.0 (481)	100.0 (631)	100.0 (1397)	100.0 (2028)

CLASS OF 1987 FOREIGN LANGUAGE STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	1.3	0.9	0.0	1.9	0.3	0.8
Mining	0.0	0.0	0.0	0.0	0.0	0.0
Construction	1.4	0.8	0.5	1.9	0.5	1.0
Manufacturing	8.5	6.8	4.4	9.6	5.7	7.0
Transportation, Communications, and Other Public Utilities	2.6	1.8	2.3	4.3	1.3	2.3
Wholesale and Retail Trade	48.3	48.0	50.1	47.6	49.1	48.6
Finance, Insurance, and Real Estate	2.6	2.6	3.1	1.1	3.5	2.7
Business and Repair Services	3.8	3.0	3.5	5.1	2.7	3.5
Personal Services	4.3	3.2	3.8	2.3	4.5	3.8
Entertainment and Recreation Services	3.2	2.6	2.8	3.8	2.5	2.9
Professional and Related Services	21.5	27.3	24.4	18.3	27.1	24.2
Public Administration	1.0	0.9	1.0	1.7	0.6	1.0
Industry Not Reported	1.6	2.1	4.0	2.6	2.1	2.3
Total Reporting Activity	100.0 (1096)	100.0 (920)	100.0 (573)	100.0 (843)	100.0 (1746)	100.0 (2589)

CLASS OF 1987 FOREIGN LANGUAGE STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scientific, Teaching, and Related Occupations, Including Creative Artists	4.1	3.8	4.0	5.2	3.4	4.0
Technologists and Technicians Including Health	0.8	1.1	0.7	0.5	1.1	0.9
Marketing and Sales	22.8	27.2	26.9	18.8	28.3	25.3
Clerical	21.3	22.7	24.0	11.8	27.4	22.4
Service	33.8	33.4	35.1	33.3	34.3	33.9
Farming, Forestry, and Fishing	1.6	1.1	0.2	2.4	0.5	1.1
Construction and Extractive	1.3	0.1	0.0	1.7	0.1	0.6
Transportation and Material Moving	1.5	1.0	0.9	2.8	0.4	1.2
Mechanics and Repairers	1.0	0.2	0.2	1.4	0.1	0.5
Production	4.3	4.0	3.1	6.2	2.9	3.9
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	7.5	5.5	5.0	15.9	1.6	6.2
Total Reporting Occupations	100.0 (1085)	100.0 (905)	100.0 (579)	100.0 (829)	100.0 (1740)	100.0 (2569)

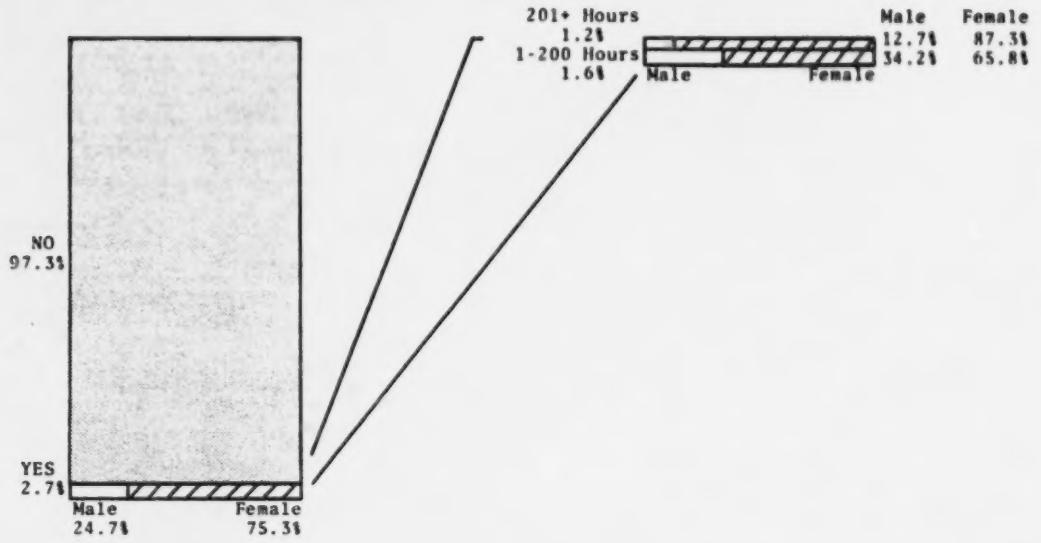
CLASS OF 1987 HEALTH OCCUPATIONS STUDENTS

Health Occupations classes were selected by 2.7 percent of the 13,945 students who participated in the follow-up study. The data reported in this section include the 384 students who completed one or more courses in the curriculum category of Health Occupations.

24.7 percent of these Health Occupations students were male, and 75.3 percent were female. Of these students surveyed, 77.1 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Dental Assisting, Home Health Aide, Medical Assistant, and Nursing Aide.

Of the 384 Health Occupations students, 218 had from 1 to 200 hours of courses; 119 students had courses totaling 201 to 400 hours; and 47 had 401 or more hours of course work. The total percentage of students who had selected any Health Occupations courses decreased 0.5 from the Class of 1986 study.

PARTICIPATION IN HEALTH OCCUPATIONS
Class of 1987
Grades 10-12
(100 Hours=Approximately 1 Semester)



CLASS OF 1987 HEALTH OCCUPATIONS STUDENTS
PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	68.8	73.9	68.1	62.1	73.0	70.3
Return Incomplete	6.4	7.6	6.4	7.4	6.6	6.8
No Return Received	24.8	18.5	25.5	30.5	20.4	22.9
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(218)	(119)	(47)	(95)	(289)	(384)

CLASS OF 1987 HEALTH OCCUPATIONS STUDENTS
PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	14.0	12.6	20.0	11.3	15.1	14.3
Community College	9.6	16.8	22.9	8.1	15.1	13.6
4-year College or University	28.0	25.3	17.1	22.6	26.7	25.8
Apprenticeship	0.0	0.0	0.0	0.0	0.0	0.0
Other Education	5.1	4.2	0.0	3.2	4.4	4.2
EMPLOYMENT						
Paid Employment	74.5	68.4	80.0	67.7	74.7	73.2
Homemaker	4.9	3.2	5.7	0.0	5.3	4.2
Military	6.4	6.3	0.0	16.1	2.7	5.6
Unemployed	8.9	8.4	8.6	6.5	9.3	8.7
OTHER						
Other Activity	0.0	2.1	2.9	0.0	1.3	1.0
Total Responses	151.0 (237)	147.4 (140)	157.1 (55)	135.5 (84)	154.7 (348)	150.5 (432)
Total Reporting Activity	100.0 (157)	100.0 (95)	100.0 (35)	100.0 (62)	100.0 (225)	100.0 (287)

CLASS OF 1987 HEALTH OCCUPATIONS STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	34.6	27.4	31.4	40.3	29.5	31.8
Paid Employment and Vocational School	7.1	9.5	14.3	4.8	9.8	8.7
Paid Employment and Community College	7.7	15.8	20.0	8.1	12.9	11.9
Paid Employment and College or University	21.8	12.6	11.4	12.9	18.8	17.5
Vocational School (only)	3.8	3.2	5.7	4.8	3.6	3.8
Community College (only)	0.6	1.1	0.0	0.0	0.9	0.7
4-year College or University (only)	3.2	9.5	2.9	6.5	4.9	5.2
Education and Seeking Employment	5.8	3.2	5.7	3.2	5.4	4.9
Unemployed (only)	1.9	5.3	2.9	3.2	3.1	3.1
Activities Other Than The Above	13.5	12.6	5.7	16.1	11.2	12.2
Total Reporting Activity	100.0 (156)	100.0 (95)	100.0 (35)	100.0 (62)	100.0 (224)	100.0 (286)

CLASS OF 1987 HEALTH OCCUPATIONS STUDENTS PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	82.6	81.5	71.4	85.2	79.9	80.7
Part-Time	17.4	18.5	28.6	14.8	20.1	19.3
Total Reporting Status	100.0 (86)	100.0 (54)	100.0 (21)	100.0 (27)	100.0 (134)	100.0 (161)

CLASS OF 1987 HEALTH OCCUPATIONS STUDENTS PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	30.4	6.4	4.8	19.2	19.0	19.0
State Universities	3.8	10.6	9.5	0.0	8.3	6.8
Area Vocational-Technical Institutes	24.1	27.7	33.3	23.1	27.3	26.5
Community College	19.0	34.0	38.1	23.1	27.3	26.5
Private Vocational Schools (including health related)	6.3	2.1	4.8	7.7	4.1	4.8
Private Jr. Colleges Liberal Arts Colleges	7.6	14.9	0.0	15.4	7.4	8.8
Institutions Outside Minnesota	7.6	4.3	9.5	11.5	5.8	6.8
Schools Not Reported	1.3	0.0	0.0	0.0	0.8	0.7
Total Reporting Schools	100.0 (79)	100.0 (47)	100.0 (21)	100.0 (26)	100.0 (121)	100.0 (147)

CLASS OF 1987 HEALTH OCCUPATIONS STUDENTS PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	49.1	40.6	55.6	63.4	43.4	47.3
Part-Time	50.9	59.4	44.4	36.6	56.6	52.7
Total Reporting Employed Status	100.0 (116)	100.0 (64)	100.0 (27)	100.0 (41)	100.0 (166)	100.0 (207)

CLASS OF 1987 HEALTH OCCUPATIONS STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below $3.00 per hour	1.5	0.0	0.0	0.0	1.0	0.8
$3.00 - $3.99 per hour	38.2	40.9	21.4	9.1	43.3	37.3
$4.00 - $4.99 per hour	35.3	20.5	42.9	36.4	29.8	31.0
$5.00 - $5.99 per hour	13.2	25.0	7.1	27.3	14.4	16.7
$6.00 - $6.99 per hour	2.9	9.1	21.4	4.5	7.7	7.1
$7.00 per hour or more	8.8	4.5	7.1	22.7	3.8	7.1
Total Reporting Wages	100.0 (68)	100.0 (44)	100.0 (14)	100.0 (22)	100.0 (104)	100.0 (126)

CLASS OF 1987 HEALTH OCCUPATIONS STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	0.9	1.6	3.6	7.7	0.0	1.5
Mining	0.0	0.0	0.0	0.0	0.0	0.0
Construction	2.7	1.6	0.0	7.7	0.6	2.0
Manufacturing	13.5	8.2	0.0	28.2	5.6	10.0
Transportation, Communications, and Other Public Utilities	4.5	0.0	0.0	10.3	0.6	2.5
Wholesale and Retail Trade	50.5	42.6	25.0	28.2	48.4	44.5
Finance, Insurance, and Real Estate	1.8	0.0	0.0	0.0	1.2	1.0
Business and Repair Services	1.8	3.3	7.1	2.6	3.1	3.0
Personal Services	5.4	3.3	10.7	2.6	6.2	5.5
Entertainment and Recreation Services	1.8	3.3	3.6	5.1	1.9	2.5
Professional and Related Services	16.2	36.1	50.0	7.7	31.7	27.0
Public Administration	0.9	0.0	0.0	0.0	0.6	0.5
Industry Not Reported	0.0	0.0	0.0	0.0	0.0	0.0
Total Reporting Activity	100.0 (111)	100.0 (61)	100.0 (28)	100.0 (39)	100.0 (161)	100.0 (200)

CLASS OF 1987 HEALTH OCCUPATIONS STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scientific, Teaching, and Related Occupations, Including Creative Artists	0.9	6.9	11.1	2.6	4.4	4.1
Technologists and Technicians Including Health	1.8	5.2	3.7	2.6	3.2	3.1
Marketing and Sales	31.5	19.0	11.1	5.3	29.7	25.0
Clerical	8.1	15.5	11.1	7.9	11.4	10.7
Service	39.6	43.1	55.6	31.6	45.6	42.9
Farming, Forestry, and Fishing	0.9	0.0	3.7	5.3	0.0	1.0
Construction and Extractive	2.7	0.0	0.0	5.3	0.6	1.5
Transportation and Material Moving	0.0	0.0	0.0	0.0	0.0	0.0
Mechanics and Repairers	0.9	0.0	0.0	2.6	0.0	0.5
Production	7.2	8.6	3.7	18.4	4.4	7.1
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	6.3	1.7	0.0	18.4	0.6	4.1
Total Reporting Occupations	100.0 (111)	100.0 (58)	100.0 (27)	100.0 (38)	100.0 (158)	100.0 (196)

CLASS OF 1987 HEALTH, PHYSICAL EDUCATION, AND RECREATION STUDENTS

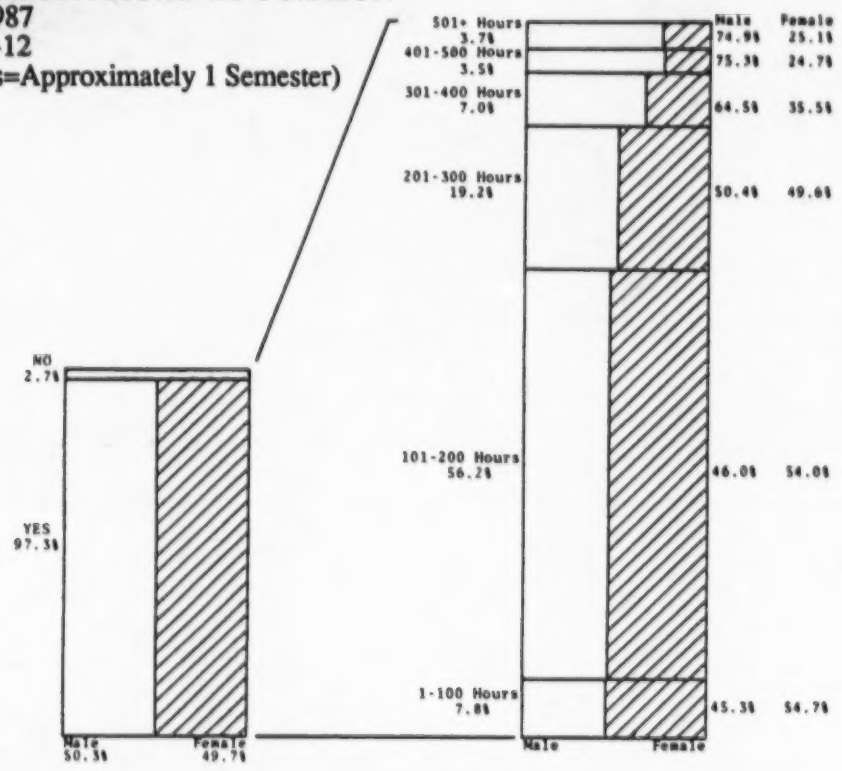
Health, Physical Education and Recreation classes were selected by 97.3 percent of the 13,945 students who participated in the follow-up study. The data reported in this section include the 13,574 students who completed one or more courses in the curriculum category of Health, Physical Education and Recreation.

50.3 percent of these students were male, and 49.7 percent were female. Of these students surveyed, 77.6 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Health, First Aid, and Recreation.

Of the 13,574 Health, Physical Education and Recreation students, 8,925 had from 1 to 200 hours of courses; 3,648 students had courses totaling 201 to 400 hours; and 1,001 had 401 or more hours of course work. The total percentage of students who had selected any Health, Physical Education and Recreation courses decreased 0.2 from the Class of 1986 study.

PARTICIPATION IN HEALTH-PHYSICAL EDUCATION

Class of 1987
Grades 10-12
(100 Hours=Approximately 1 Semester)



CLASS OF 1987 HEALTH-PHYSICAL EDUCATION STUDENTS PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	67.8	71.9	76.9	66.2	73.0	69.6
Return Incomplete	8.5	7.1	6.1	8.9	7.0	8.0
No Return Received	23.7	21.0	17.0	24.9	20.0	22.4
Total Assessed	100.0 (8925)	100.0 (3648)	100.0 (1001)	100.0 (6829)	100.0 (6745)	100.0 (13574)

CLASS OF 1987 HEALTH-PHYSICAL EDUCATION STUDENTS
PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	12.1	8.8	8.7	10.7	11.2	10.9
Community College	10.6	11.9	14.3	10.8	11.7	11.2
4-year College or University	45.1	41.8	35.4	40.1	46.7	43.5
Apprenticeship	0.5	0.5	0.5	0.6	0.3	0.5
Other Education	1.7	1.8	1.1	1.4	2.0	1.7
EMPLOYMENT						
Paid Employment	55.8	58.7	56.5	53.5	59.6	56.6
Homemaker	2.2	1.5	0.4	0.2	3.4	1.9
Military	5.0	5.8	10.4	10.0	1.4	5.6
Unemployed	11.9	8.8	9.8	10.0	11.7	10.9
OTHER						
Other Activity	2.0	2.2	1.3	2.1	1.9	2.0
Total Responses	146.8 (10075)	141.8 (4035)	138.3 (1144)	139.5 (7167)	149.8 (8087)	144.8 (15254)
Total Reporting Activity	100.0 (6862)	100.0 (2845)	100.0 (827)	100.0 (5137)	100.0 (5397)	100.0 (10534)

CLASS OF 1987 HEALTH-PHYSICAL EDUCATION STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	22.1	26.2	26.5	25.0	22.2	23.6
Paid Employment and Vocational School	6.9	5.4	6.3	6.4	6.5	6.5
Paid Employment and Community College	6.9	8.8	9.0	6.6	8.5	7.6
Paid Employment and College or University	18.0	16.5	12.7	14.3	19.9	17.2
Vocational School (only)	3.2	2.3	1.7	2.9	2.8	2.8
Community College (only)	2.3	2.0	2.7	2.7	1.8	2.2
4-year College or University (only)	20.6	20.3	18.9	20.5	20.3	20.4
Education and Seeking Employment	9.0	6.2	6.3	7.2	8.8	8.1
Unemployed (only)	1.6	2.1	3.0	1.9	1.8	1.9
Activities Other Than The Above	9.3	10.3	12.8	12.6	7.3	9.9
Total Reporting Activity	100.0 (6844)	100.0 (2840)	100.0 (825)	100.0 (5128)	100.0 (5381)	100.0 (10509)

CLASS OF 1987 HEALTH-PHYSICAL EDUCATION STUDENTS PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	86.4	85.0	81.2	86.7	84.8	85.7
Part-Time	13.6	15.0	18.8	13.3	15.2	14.3
Total Reporting Status	100.0 (4564)	100.0 (1776)	100.0 (479)	100.0 (3101)	100.0 (3718)	100.0 (6819)

CLASS OF 1987 HEALTH-PHYSICAL EDUCATION STUDENTS PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	17.5	17.3	16.2	19.4	15.6	17.3
State Universities	16.3	15.6	20.4	15.9	16.7	16.4
Area Vocational-Technical Institutes	14.4	10.9	11.5	15.1	11.7	13.2
Community College	14.5	18.0	22.2	16.5	15.5	16.0
Private Vocational Schools (including health related)	5.2	6.4	5.4	4.0	6.8	5.5
Private Jr. Colleges Liberal Arts Colleges	15.8	14.6	9.4	12.2	17.3	15.0
Institutions Outside Minnesota	16.1	17.1	14.8	16.8	15.9	16.3
Schools Not Reported	0.2	0.2	0.4	0.0	0.4	0.2
Total Reporting Schools	100.0 (4192)	100.0 (1673)	100.0 (445)	100.0 (2867)	100.0 (3445)	100.0 (6312)

CLASS OF 1987 HEALTH-PHYSICAL EDUCATION STUDENTS PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	43.8	48.0	51.6	52.0	40.2	45.6
Part-Time	56.2	52.0	48.4	48.0	59.8	54.4
Total Reporting Employed Status	100.0 (3783)	100.0 (1668)	100.0 (465)	100.0 (2718)	100.0 (3198)	100.0 (5916)

CLASS OF 1987 HEALTH-PHYSICAL EDUCATION STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below $3.00 per hour	0.5	0.4	0.4	0.3	0.6	0.5
$3.00 - $3.99 per hour	31.8	26.1	26.0	20.3	37.0	29.8
$4.00 - $4.99 per hour	30.7	29.9	24.5	28.9	31.0	30.1
$5.00 - $5.99 per hour	20.0	21.2	18.3	23.7	17.6	20.2
$6.00 - $6.99 per hour	8.3	11.3	12.1	10.5	8.6	9.4
$7.00 per hour or more	8.7	11.0	18.7	16.3	5.2	10.0
Total Reporting Wages	100.0 (2771)	100.0 (1179)	100.0 (273)	100.0 (1818)	100.0 (2405)	100.0 (4223)

CLASS OF 1987 HEALTH-PHYSICAL EDUCATION STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	2.7	1.4	2.0	4.4	0.5	2.3
Mining	0.1	0.1	0.0	0.1	0.0	0.1
Construction	1.7	2.9	6.6	4.8	0.4	2.4
Manufacturing	11.8	11.4	13.2	16.4	7.9	11.8
Transportation, Communications, and Other Public Utilities	2.5	2.5	2.2	3.7	1.5	2.5
Wholesale and Retail Trade	46.5	46.1	45.7	43.5	48.6	46.3
Finance, Insurance, and Real Estate	2.6	3.2	1.8	0.8	4.3	2.7
Business and Repair Services	4.6	4.7	6.6	7.3	2.7	4.8
Personal Services	3.7	5.0	2.9	2.4	5.3	4.0
Entertainment and Recreation Services	2.3	2.6	3.5	3.0	2.0	2.5
Professional and Related Services	18.6	17.4	12.6	10.5	24.0	17.8
Public Administration	0.8	1.5	2.4	1.3	1.0	1.1
Industry Not Reported	2.2	1.2	0.4	1.8	1.8	1.8
Total Reporting Activity	100.0 (3614)	100.0 (1645)	100.0 (453)	100.0 (2610)	100.0 (3102)	100.0 (5712)

CLASS OF 1987 HEALTH-PHYSICAL EDUCATION STUDENTS PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scientific, Teaching, and Related Occupations, Including Creative Artists	3.9	3.0	3.1	4.0	3.2	3.6
Technologists and Technicians Including Health	1.1	0.5	0.0	0.7	1.0	0.9
Marketing and Sales	21.5	22.1	19.3	14.2	27.6	21.5
Clerical	19.8	20.7	10.8	8.6	28.2	19.3
Service	30.7	28.8	27.9	26.2	33.0	29.9
Farming, Forestry, and Fishing	2.8	2.1	1.3	4.8	0.6	2.5
Construction and Extractive	1.6	2.1	2.5	3.9	0.1	1.8
Transportation and Material Moving	1.7	1.9	3.6	3.8	0.4	1.9
Mechanics and Repairers	2.3	1.6	2.2	4.5	0.2	2.1
Production	6.6	7.1	8.1	10.6	3.7	6.8
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	8.0	10.0	21.1	18.6	2.0	9.6
Total Reporting Occupations	100.0 (3584)	100.0 (1645)	100.0 (445)	100.0 (2573)	100.0 (3101)	100.0 (5674)

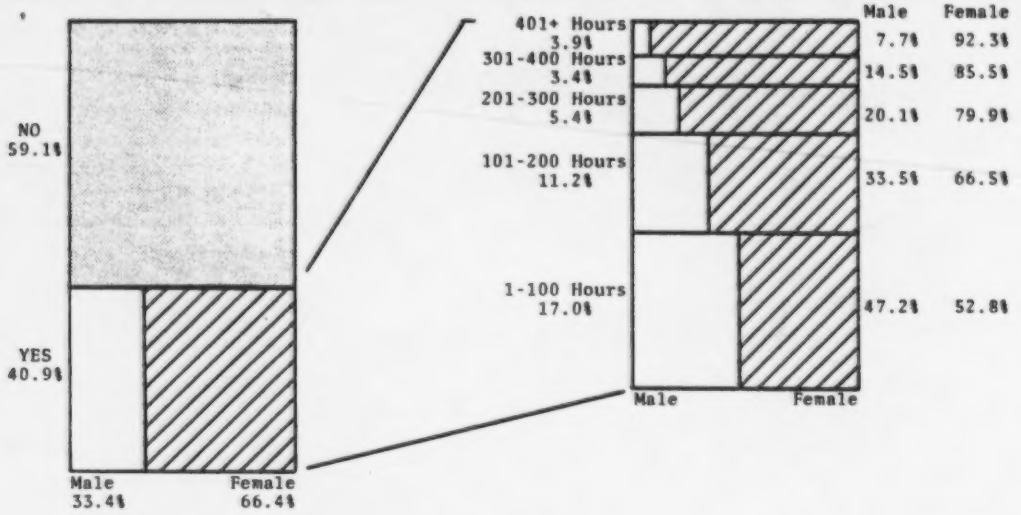
CLASS OF 1987 HOME ECONOMICS STUDENTS

Home Economics classes were selected by 40.9 percent of the 13,945 students who participated in the follow-up study. The data reported in this section include the 5,697 students who completed one or more courses in the curriculum category of Home Economics.

33.4 percent of these Home Economics students were male, and 66.4 percent were female. Of these students surveyed, 76.1 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Child Development, Clothing and Textiles, Consumer Education, Home Management, Family Life and Foods.

Of the 5,697 Home Economics students, 3,932 had from 1 to 200 hours of courses; 1,221 students had courses totaling 201 to 400 hours; and 544 had 401 or more hours of course work. The total percentage of students who had selected any Home Economics courses decreased 0.4 from the Class of 1986 study.

PARTICIPATION IN HOME ECONOMICS
Class of 1987
Grades 10-12
(100 Hours=Approximately 1 Semester)



CLASS OF 1987 HOME ECONOMICS STUDENTS
PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	68.8	66.9	66.7	63.7	70.4	68.2
Return Incomplete	7.5	8.4	10.3	8.6	7.6	7.9
No Return Received	23.7	24.7	23.0	27.7	22.0	23.9
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(3932)	(1221)	(544)	(1901)	(3796)	(5697)

CLASS OF 1987 HOME ECONOMICS STUDENTS
PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	13.3	18.1	16.3	14.7	14.6	14.6
Community College	12.5	11.0	10.1	11.3	12.3	12.0
4-year College or University	34.3	20.4	16.5	24.9	31.9	29.7
Apprenticeship	0.4	0.4	0.2	0.4	0.3	0.4
Other Education	2.0	2.8	2.0	1.8	2.3	2.2
EMPLOYMENT						
Paid Employment	61.8	66.8	69.1	58.9	65.7	63.5
Homemaker	2.6	5.1	4.9	0.2	4.8	3.4
Military	5.4	3.7	2.2	11.6	1.6	4.7
Unemployed	9.5	10.7	13.1	8.7	10.7	10.1
OTHER						
Other Activity	2.2	2.3	3.0	2.4	2.2	2.3
Total Responses	143.9 (4320)	141.5 (1296)	137.5 (557)	135.0 (1846)	146.3 (4327)	142.8 (6173)
Total Reporting Activity	100.0 (3003)	100.0 (916)	100.0 (405)	100.0 (1367)	100.0 (2957)	100.0 (4324)

CLASS OF 1987 HOME ECONOMICS STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	28.1	35.9	42.8	33.4	30.1	31.2
Paid Employment and Vocational School	8.3	10.0	8.4	8.4	8.8	8.7
Paid Employment and Community College	8.3	7.9	6.9	6.1	9.0	8.1
Paid Employment and College or University	14.7	9.0	7.7	9.5	14.4	12.8
Vocational School (only)	3.4	5.0	3.5	4.4	3.5	3.8
Community College (only)	2.6	2.0	2.7	4.0	1.8	2.5
4-year College or University (only)	15.3	8.9	6.9	12.0	13.7	13.2
Education and Seeking Employment	6.6	5.9	5.9	5.9	6.6	6.4
Unemployed (only)	2.1	3.4	5.2	2.3	2.8	2.6
Activities Other Than The Above	10.5	12.0	9.9	14.0	9.3	10.8
Total Reporting Activity	100.0 (2995)	100.0 (913)	100.0 (404)	100.0 (1364)	100.0 (2948)	100.0 (4312)

CLASS OF 1987 HOME ECONOMICS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	83.5	81.3	76.7	83.0	82.4	82.6
Part-Time	16.5	18.7	23.3	17.0	17.6	17.4
Total Reporting Status	100.0 (1784)	100.0 (455)	100.0 (180)	100.0 (689)	100.0 (1730)	100.0 (2419)

CLASS OF 1987 HOME ECONOMICS STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	12.8	7.1	8.5	11.4	11.4	11.4
State Universities	17.1	13.3	12.7	17.6	15.4	16.0
Area Vocational-Technical Institutes	17.5	28.5	33.3	26.2	18.7	20.8
Community College	19.1	21.4	17.6	20.0	19.2	19.4
Private Vocational Schools (including health related)	7.6	11.3	11.5	5.0	10.0	8.6
Private Jr. Colleges Liberal Arts Colleges	12.1	8.3	6.7	7.8	12.2	11.0
Institutions Outside Minnesota	13.4	9.4	9.7	12.0	12.5	12.3
Schools Not Reported	0.4	0.7	0.0	0.0	0.6	0.4
Total Reporting Schools	100.0 (1653)	100.0 (435)	100.0 (165)	100.0 (641)	100.0 (1612)	100.0 (2253)

CLASS OF 1987 HOME ECONOMICS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	48.6	53.4	58.3	58.7	47.3	50.7
Part-Time	51.4	46.6	41.7	41.3	52.7	49.3
Total Reporting Employed Status	100.0 (1839)	100.0 (603)	100.0 (278)	100.0 (795)	100.0 (1925)	100.0 (2720)

CLASS OF 1987 HOME ECONOMICS STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below $3.00 per hour	0.7	1.4	1.0	0.4	1.1	0.9
$3.00 - $3.99 per hour	31.3	33.7	36.3	21.7	36.3	32.3
$4.00 - $4.99 per hour	28.4	30.8	31.1	23.7	31.3	29.2
$5.00 - $5.99 per hour	18.6	20.7	17.1	24.3	16.9	18.9
$6.00 - $6.99 per hour	10.8	7.7	6.7	12.8	8.5	9.7
$7.00 per hour or more	10.2	5.8	7.8	17.1	5.9	9.0
Total Reporting Wages	100.0 (1290)	100.0 (416)	100.0 (193)	100.0 (515)	100.0 (1384)	100.0 (1899)

CLASS OF 1987 HOME ECONOMICS STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	2.1	0.3	0.7	4.6	0.3	1.6
Mining	0.1	0.0	0.0	0.3	0.0	0.1
Construction	2.5	2.0	0.7	6.3	0.5	2.2
Manufacturing	12.8	10.3	9.5	19.0	9.0	11.9
Transportation, Communications, and Other Public Utilities	2.3	1.9	1.5	3.3	1.6	2.1
Wholesale and Retail Trade	47.3	48.4	51.5	42.9	50.1	48.0
Finance, Insurance, and Real Estate	2.8	4.2	2.9	0.8	4.0	3.1
Business and Repair Services	4.2	3.7	2.6	7.8	2.3	3.9
Personal Services	4.0	5.6	7.3	2.0	5.8	4.7
Entertainment and Recreation Services	2.7	2.0	1.1	3.0	2.1	2.4
Professional and Related Services	16.9	20.2	20.8	7.5	22.3	18.1
Public Administration	1.2	0.8	0.7	1.5	0.9	1.1
Industry Not Reported	1.1	0.5	0.7	0.9	0.9	0.9
Total Reporting Activity	100.0 (1770)	100.0 (593)	100.0 (274)	100.0 (757)	100.0 (1880)	100.0 (2637)

CLASS OF 1987 HOME ECONOMICS STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scientific, Teaching, and Related Occupations, Including Creative Artists	3.5	2.4	2.5	4.1	2.8	3.1
Technologists and Technicians Including Health	1.0	0.9	0.4	0.8	1.0	0.9
Marketing and Sales	23.3	22.3	26.9	11.4	28.3	23.5
Clerical	20.4	21.6	17.8	6.2	26.0	20.4
Service	42.5	37.9	38.9	25.2	33.9	31.4
Farming, Forestry, and Fishing	2.2	0.9	1.5	4.6	0.7	1.8
Construction and Extractive	1.8	1.2	0.7	5.3	0.1	1.6
Transportation and Material Moving	1.7	0.5	1.1	3.9	0.4	1.4
Mechanics and Repairers	2.1	1.5	0.0	5.7	0.2	1.7
Production	7.0	5.4	8.4	12.4	4.6	6.8
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	8.9	5.4	1.8	1.1	0.7	0.8
Total Reporting Occupations	100.0 (1772)	100.0 (588)	100.0 (275)	100.0 (753)	100.0 (1882)	100.0 (2635)

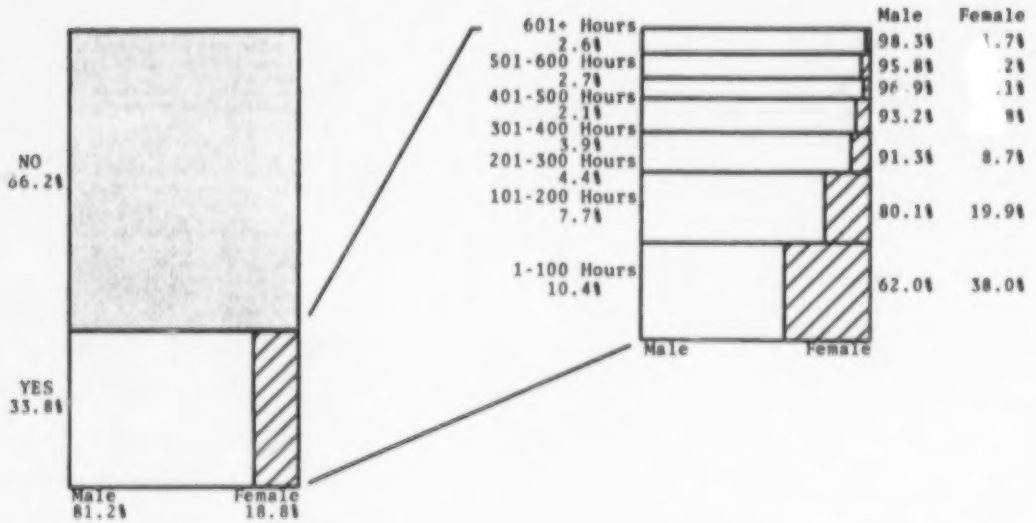
CLASS OF 1987 INDUSTRIAL ARTS STUDENTS

Industrial Arts classes were selected by 33.8 percent of the 13,945 students who participated in the follow-up study. The data reported in this section include the 4,719 students who completed one or more courses in the curriculum category of Industrial Arts.

81.2 percent of these Industrial Arts students were male, and 18.8 percent were female. Of these students surveyed, 74.6 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Construction, Electricity, Graphic Arts, and Industrial Design.

Of the 4,719 Industrial Arts students, 2,525 had from 1 to 200 hours of courses; 1,166 students had courses totaling 201 to 400 hours; and 1,028 had 401 or more hours of course work. The total percentage of students who had selected any Industrial Arts courses decreased 1.5 from the Class of 1986 study.

PARTICIPATION IN INDUSTRIAL ARTS
Class of 1987
Grades 10-12
(100 Hours=Approximately 1 Semester)



CLASS OF 1987 INDUSTRIAL ARTS STUDENTS
PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	66.2	67.6	63.5	65.7	66.8	65.9
Return Incomplete	8.9	7.4	9.7	8.6	9.0	8.7
No Return Received	24.9	25.0	26.8	25.6	24.2	25.3
Total Assessed	100.0 (2525)	100.0 (1166)	100.0 (1028)	100.0 (3833)	100.0 (886)	100.0 (4719)

CLASS OF 1987 INDUSTRIAL ARTS STUDENTS
PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	12.0	14.8	19.6	14.5	13.9	14.4
Community College	12.4	9.5	7.3	10.2	12.1	10.6
4-year College or University	36.1	25.1	15.8	28.3	31.9	29.0
Apprenticeship	0.6	0.5	0.7	0.6	0.4	0.6
Other Education	1.6	1.7	1.0	1.4	1.9	1.5
EMPLOYMENT						
Paid Employment	54.9	58.4	64.7	56.1	65.7	57.9
Homemaker	1.2	0.9	0.3	0.1	4.3	0.9
Military	8.6	12.4	12.4	12.5	1.0	10.3
Unemployed	10.9	9.7	9.2	9.7	12.5	10.2
OTHER						
Other Activity	1.6	1.4	1.6	1.5	1.9	1.6
Total Responses	140.1 (2652)	134.3 (1182)	132.5 (1014)	135.0 (3871)	145.8 (977)	137.0 (4848)
Total Reporting Activity	100.0 (1893)	100.0 (880)	100.0 (765)	100.0 (2868)	100.0 (670)	100.0 (3538)

CLASS OF 1987 INDUSTRIAL ARTS STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	25.7	33.0	40.1	30.6	30.9	30.6
Paid Employment and Vocational School	7.5	8.0	13.1	8.9	8.6	8.8
Paid Employment and Community College	7.8	6.0	4.1	6.1	8.6	6.6
Paid Employment and College or University	12.0	9.8	6.0	9.3	14.0	10.2
Vocational School (only)	2.7	4.8	4.1	3.7	2.7	3.5
Community College (only)	2.8	1.8	2.0	2.4	2.1	2.4
4-year College or University (only)	19.6	12.3	7.6	15.6	13.5	15.2
Education and Seeking Employment	7.2	6.3	5.4	6.2	8.1	6.5
Unemployed (only)	2.6	2.4	2.7	2.4	3.2	2.6
Activities Other Than The Above	12.0	15.6	15.0	14.8	8.4	13.6
Total Reporting Activity	100.0 (1887)	100.0 (877)	100.0 (765)	100.0 (2863)	100.0 (666)	100.0 (3529)

CLASS OF 1987 INDUSTRIAL ARTS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	85.7	86.3	82.5	85.6	84.3	85.3
Part-Time	14.3	13.7	17.5	14.4	15.7	14.7
Total Reporting Status	100.0 (1108)	100.0 (439)	100.0 (314)	100.0 (1479)	100.0 (382)	100.0 (1861)

CLASS OF 1987 INDUSTRIAL ARTS STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	14.9	14.4	9.8	13.8	14.5	13.9
State Universities	17.7	16.6	10.8	17.0	13.3	16.2
Area Vocational-Technical Institutes	16.5	26.1	39.7	23.8	18.6	22.7
Community College	17.7	17.1	16.9	17.3	17.7	17.4
Private Vocational Schools (including health related)	6.4	5.9	7.1	5.5	9.9	6.4
Private Jr. Colleges Liberal Arts Colleges	11.7	5.4	4.1	8.2	11.6	8.9
Institutions Outside Minnesota	14.9	14.4	11.5	14.4	13.6	14.2
Schools Not Reported	0.3	0.2	0.0	0.1	0.9	0.2
Total Reporting Schools	100.0 (1019)	100.0 (410)	100.0 (295)	100.0 (1379)	100.0 (345)	100.0 (1724)

CLASS OF 1987 INDUSTRIAL ARTS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	51.5	64.9	66.5	60.8	49.7	58.4
Part-Time	48.5	35.1	33.5	39.2	50.3	41.6
Total Reporting Employed Status	100.0 (1028)	100.0 (507)	100.0 (489)	100.0 (1593)	100.0 (431)	100.0 (2024)

CLASS OF 1987 INDUSTRIAL ARTS STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below $3.00 per hour	0.1	0.6	0.3	0.3	0.3	0.3
$3.00 - $3.99 per hour	27.3	19.3	13.7	17.0	39.0	22.2
$4.00 - $4.99 per hour	29.0	27.8	23.5	27.1	28.6	27.5
$5.00 - $5.99 per hour	21.3	21.9	28.0	25.0	16.4	23.0
$6.00 - $6.99 per hour	9.8	13.6	12.1	11.6	10.4	11.3
$7.00 per hour or more	12.4	16.8	22.5	19.0	5.3	15.8
Total Reporting Wages	100.0 (703)	100.0 (352)	100.0 (307)	100.0 (1044)	100.0 (318)	100.0 (1362)

CLASS OF 1987 INDUSTRIAL ARTS STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	3.0	5.5	4.7	4.9	0.9	4.0
Mining	0.0	0.4	0.0	0.1	0.0	0.1
Construction	2.5	6.9	7.6	5.9	0.9	4.9
Manufacturing	14.1	23.1	23.7	21.2	9.5	18.7
Transportation, Communications, and Other Public Utilities	3.5	3.1	3.4	3.7	2.1	3.4
Wholesale and Retail Trade	46.7	40.2	37.5	40.5	51.4	42.8
Finance, Insurance, and Real Estate	2.0	0.4	0.2	0.5	3.6	1.2
Business and Repair Services	4.3	7.8	10.2	8.0	1.4	6.6
Personal Services	4.2	2.9	2.3	2.9	5.2	3.4
Entertainment and Recreation Services	3.1	2.0	2.5	2.8	2.4	2.7
Professional and Related Services	13.9	5.9	5.9	7.1	20.4	10.0
Public Administration	1.1	1.0	1.3	1.2	0.7	1.1
Industry Not Reported	1.4	0.8	0.6	0.1	1.4	1.1
Total Reporting Activity	100.0 (992)	100.0 (490)	100.0 (472)	100.0 (1532)	100.0 (422)	100.0 (1954)

CLASS OF 1987 INDUSTRIAL ARTS STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scientific, Teaching, and Related Occupations, Including Creative Artists	4.0	3.3	2.3	3.3	4.0	3.4
Technologists and Technicians Including Health	1.4	0.6	1.1	0.1	1.6	1.1
Marketing and Sales	18.4	12.1	8.2	11.2	25.8	14.4
Clerical	14.1	4.5	7.0	6.6	22.1	10.0
Service	30.3	21.7	18.4	22.3	36.2	25.3
Farming, Forestry, and Fishing	3.4	5.7	4.7	5.2	1.2	4.3
Construction and Extractive	1.9	5.1	5.7	4.6	0.2	3.6
Transportation and Material Moving	2.4	5.7	3.6	4.5	0.2	3.5
Mechanics and Repairers	2.4	6.4	9.5	6.4	0.5	5.1
Production	8.3	14.8	16.1	13.7	4.9	11.8
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	13.2	20.1	23.5	21.3	3.3	17.4
Total Reporting Occupations	100.0 (992)	100.0 (488)	100.0 (473)	100.0 (1527)	100.0 (426)	100.0 (1953)

CLASS OF 1987 MATHEMATICS STUDENTS

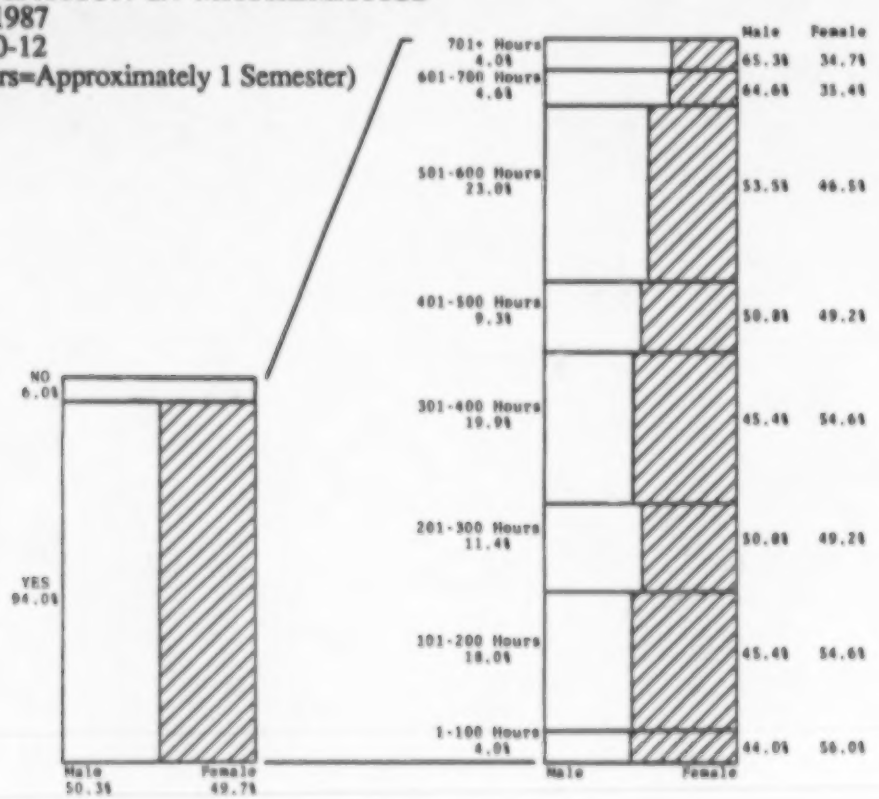
Mathematics classes were selected by **94.0 percent** of the 13,945 students who participated in the follow-up study. The data reported in this section include the 13,112 students who completed one or more courses in the curriculum category of Mathematics.

50.3 percent of these Mathematics students were male, and 49.7 percent were female. Of these students surveyed, seventy-eight percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: College Algebra, General Mathematics, Geometry, and Trigonometry.

Of the 13,112 Mathematics students, 3,058 had from 1 to 200 hours of courses; 4,360 students had courses totaling 201 to 400 hours; and 5,694 had 401 or more hours of course work. The total percentage of students who had selected any Mathematics courses increased 0.6 over the Class of 1986 study.

PARTICIPATION IN MATHEMATICS

Class of 1987
Grades 10-12
(100 Hours=Approximately 1 Semester)



CLASS OF 1987 MATHEMATICS STUDENTS
PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	61.3	68.7	75.8	66.5	73.7	70.1
Return Incomplete	9.4	8.0	7.0	8.9	6.9	7.9
No Return Received	29.3	23.3	17.1	24.6	19.4	22.0
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(3058)	(4360)	(5694)	(6591)	(6521)	(13112)

CLASS OF 1987 MATHEMATICS STUDENTS
PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	16.7	13.0	6.3	10.4	10.9	10.7
Community College	11.1	12.4	10.5	10.9	11.7	11.3
4-year College or University	16.0	34.9	64.3	41.4	47.6	44.6
Apprenticeship	0.6	0.6	0.3	0.6	0.3	0.5
Other Education	2.3	2.0	1.1	1.4	1.9	1.7
EMPLOYMENT						
Paid Employment	67.1	59.7	48.9	52.9	59.4	56.3
Homemaker	3.4	2.3	0.9	0.2	3.5	1.9
Military	7.1	5.7	4.8	10.0	1.4	5.6
Unemployed	11.1	10.9	10.8	10.1	11.7	10.9
OTHER						
Other Activity	2.2	2.0	2.0	2.2	1.9	2.0
Total Responses	137.7	143.7	150.0	140.2	150.3	145.4
	(2956)	(4804)	(7121)	(6983)	(7898)	(14881)
Total Reporting Activity	100.0	100.0	100.0	100.0	100.0	100.0
	(2146)	(3343)	(4747)	(4980)	(5256)	(10236)

CLASS OF 1987 MATHEMATICS STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	39.4	27.7	11.8	24.0	21.6	22.8
Paid Employment and Vocational School	9.7	7.9	3.8	6.2	6.5	6.4
Paid Employment and Community College	7.0	8.1	7.5	6.7	8.5	7.6
Paid Employment and College or University	7.5	14.0	24.8	14.8	20.3	17.6
Vocational School (only)	4.7	3.0	1.6	2.8	2.6	2.7
Community College (only)	2.6	2.5	1.9	2.7	1.8	2.2
4-year College or University (only)	5.9	16.5	30.7	21.1	20.6	20.9
Education and Seeking Employment	5.9	7.5	9.9	7.4	8.9	8.2
Unemployed (only)	3.5	2.2	0.9	1.9	1.8	1.8
Activities Other Than The Above	13.8	10.7	7.4	12.5	7.3	9.8
Total Reporting Activity	100.0	100.0	100.0	100.0	100.0	100.0
	(2142)	(3333)	(4739)	(4971)	(5243)	(10214)

CLASS OF 1987 MATHEMATICS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	83.2	82.6	88.1	86.8	84.9	85.8
Part-Time	16.8	17.4	11.9	13.2	15.1	14.2
Total Reporting Status	100.0 (962)	100.0 (1990)	100.0 (3761)	100.0 (3061)	100.0 (3652)	100.0 (6713)

CLASS OF 1987 MATHEMATICS STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	9.2	13.6	22.0	19.7	15.9	17.6
State Universities	9.9	16.4	18.4	16.2	16.9	16.6
Area Vocational-Technical Institutes	31.0	16.7	5.7	14.3	11.2	12.6
Community College	23.0	18.9	12.4	16.4	15.4	15.9
Private Vocational Schools (including health related)	11.0	7.4	2.9	3.9	6.7	5.4
Private Jr. Colleges Liberal Arts Colleges	6.5	11.5	19.5	12.5	17.5	15.3
Institutions Outside Minnesota	9.0	15.2	18.9	16.9	15.9	16.4
Schools Not Reported	0.5	0.3	0.1	0.0	0.4	0.2
Total Reporting Schools	100.0 (881)	100.0 (1881)	100.0 (3445)	100.0 (2827)	100.0 (3380)	100.0 (6207)

CLASS OF 1987 MATHEMATICS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	58.2	51.1	30.6	50.7	39.5	44.6
Part-Time	41.8	48.9	69.4	49.3	60.5	55.4
Total Reporting Employed Status	100.0 (345)	100.0 (790)	100.0 (2309)	100.0 (2609)	100.0 (3103)	100.0 (5712)

CLASS OF 1987 MATHEMATICS STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below $3.00 per hour	0.7	0.8	0.2	0.3	0.6	0.5
$3.00 - $3.99 per hour	26.5	29.6	32.4	20.8	37.1	30.1
$4.00 - $4.99 per hour	27.9	30.3	31.6	29.3	31.0	30.3
$5.00 - $5.99 per hour	20.3	20.7	20.1	23.9	17.6	20.3
$6.00 - $6.99 per hour	11.4	9.8	7.4	10.1	8.4	9.2
$7.00 per hour or more	13.3	8.8	8.3	15.6	5.1	9.6
Total Reporting Wages	100.0 (918)	100.0 (1404)	100.0 (1759)	100.0 (1749)	100.0 (2332)	100.0 (4081)

CLASS OF 1987 MATHEMATICS STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	2.0	2.6	1.7	4.2	0.4	2.1
Mining	0.1	0.1	0.0	0.1	0.0	0.1
Construction	2.1	2.6	1.9	4.4	0.4	2.2
Manufacturing	13.9	13.4	8.0	16.0	7.5	11.3
Transportation, Communications, and Other Public Utilities	3.1	2.1	2.4	3.8	1.4	2.5
Wholesale and Retail Trade	45.0	45.4	48.6	44.1	48.7	46.6
Finance, Insurance, and Real Estate	2.8	3.0	2.2	0.8	4.1	2.6
Business and Repair Services	5.4	5.1	4.1	7.3	2.7	4.8
Personal Services	5.7	4.4	2.7	2.4	5.4	4.0
Entertainment and Recreation Services	2.3	1.9	3.3	3.0	2.2	2.5
Professional and Related Services	13.6	17.1	22.1	10.9	24.4	18.2
Public Administration	1.5	1.0	1.1	1.3	1.1	1.2
Industry Not Reported	2.4	1.3	1.8	1.8	1.8	1.8
Total Reporting Activity	100.0 (1370)	100.0 (1929)	100.0 (2222)	100.0 (2605)	100.0 (3015)	100.0 (5520)

CLASS OF 1987 MATHEMATICS STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scientific, Teaching, and Related Occupations, Including Creative Artists	3.0	3.3	4.2	4.1	3.2	3.6
Technologists and Technicians Including Health	0.6	1.1	0.9	0.8	1.0	0.9
Marketing and Sales	19.5	22.1	22.9	14.5	27.8	21.8
Clerical	18.4	19.3	20.1	8.8	28.1	19.4
Service	29.7	29.2	31.8	26.8	33.3	30.3
Farming, Forestry, and Fishing	2.4	2.6	2.3	4.6	0.6	2.4
Construction and Extractive	1.8	2.2	1.2	3.7	0.1	1.7
Transportation and Material Moving	2.1	1.8	1.6	3.6	0.3	1.8
Mechanics and Repairers	3.2	2.4	0.8	4.2	0.1	2.0
Production	7.9	6.8	5.2	10.0	3.5	6.5
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	11.5	9.0	8.9	18.9	2.0	9.6
Total Reporting Occupations	100.0 (1355)	100.0 (1930)	100.0 (2202)	100.0 (2471)	100.0 (3016)	100.0 (5487)

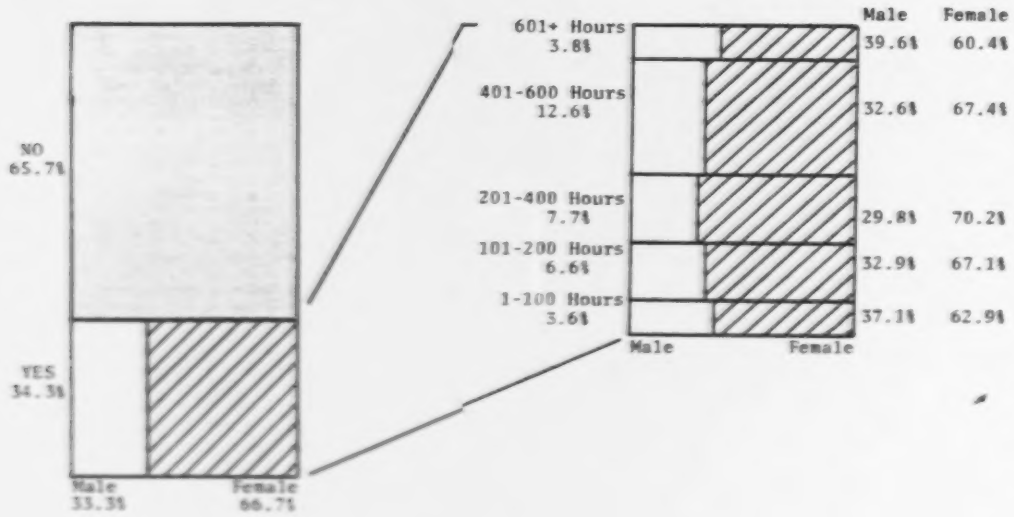
CLASS OF 1987 MUSIC STUDENTS

Music classes were selected by **34.3 percent** of the 13,945 students who participated in the follow-up study. The data reported in this section include the 4,777 students who completed one or more courses in the curriculum category of Music.

33.3 percent of these Music students were male, and 66.7 percent were female. Of these students surveyed, 82.3 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Band, Choir, Music Literature, and Music Theory.

Of the 4,777 Music students, 1,418 had from 1 to 200 hours of courses; 1,078 students had courses totaling 201 to 400 hours; and 2,281 had 401 or more hours of course work. The total percentage of students who had selected any Music courses increased 1.3 over the Class of 1986 study.

PARTICIPATION IN MUSIC
Class of 1987
Grades 10-12
(100 Hours=Approximately 1 Semester)



CLASS OF 197 MUSIC STUDENTS
PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-40 hour	401 or more hours	Male	Female	Total
Return Complete	69.5	75.1	78.5	72.1	76.8	75.2
Return Incomplete	8.2	6.5	6.6	8.7	6.2	7.1
No Return Received	22.3	17.4	14.9	19.3	17.0	17.8
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(1418)	(1078)	(2281)	(1589)	(3188)	(4777)

CLASS OF 1987 MUSIC STUDENTS
PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	10.7	11.0	8.8	8.6	10.4	9.8
Community College	11.6	11.1	10.9	10.5	11.4	11.1
4-year College or University	44.8	52.7	60.3	56.8	53.1	54.3
Apprenticeship	0.5	0.2	0.2	0.3	0.2	0.3
Other Education	1.7	1.5	1.8	1.4	1.8	1.7
EMPLOYMENT						
Paid Employment	54.8	54.0	52.8	46.6	57.0	53.6
Homemaker	4.1	1.6	1.5	0.1	3.3	2.3
Military	4.0	4.0	3.3	8.9	1.1	3.6
Unemployed	14.7	12.7	12.6	12.4	13.6	13.2
OTHER						
Other Activity	2.3	2.6	2.1	2.2	2.3	2.3
Total Responses	149.1 (1618)	151.2 (1337)	154.2 (2989)	147.8 (1882)	154.2 (4062)	152.1 (5944)
Total Reporting Activity	100.0 (1085)	100.0 (884)	100.0 (1938)	100.0 (1273)	100.0 (2634)	100.0 (3907)

CLASS OF 1987 MUSIC STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	21.7	16.7	13.5	14.2	17.6	16.5
Paid Employment and Vocational School	5.8	5.8	5.6	4.7	6.2	5.7
Paid Employment and Community College	7.7	7.3	7.6	6.3	8.1	7.5
Paid Employment and College or University	17.3	21.8	24.7	20.7	22.6	22.0
Vocational School (only)	2.5	3.3	2.0	2.7	2.3	2.4
Community College (only)	1.9	2.4	2.0	2.6	1.8	2.1
4-year College or University (only)	20.4	23.0	26.1	27.3	22.2	23.8
Education and Seeking Employment	10.8	10.4	10.7	10.3	10.9	10.7
Unemployed (only)	1.6	1.5	1.2	0.9	1.6	1.4
Activities Other Than The Above	10.2	7.8	6.7	10.2	6.8	7.9
Total Reporting Activity	100.0 (1079)	100.0 (881)	100.0 (1933)	100.0 (1269)	100.0 (2624)	100.0 (3893)

CLASS OF 1987 MUSIC STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	86.0	86.5	87.6	88.5	86.2	87.0
Part-Time	14.0	13.5	12.4	11.5	13.8	13.0
Total Reporting Status	100.0 (721)	100.0 (650)	100.0 (1522)	100.0 (938)	100.0 (1955)	100.0 (2893)

CLASS OF 1987 MUSIC STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	15.7	15.4	20.0	20.6	15.0	16.8
State Universities	18.1	18.0	17.8	17.6	18.1	17.9
Area Vocational-Technical Institutes	13.3	10.4	7.4	9.1	9.7	9.5
Community College	16.6	14.1	12.9	13.7	14.3	14.1
Private Vocational Schools (including health related)	4.6	6.5	4.9	3.7	6.0	5.2
Private Jr. Colleges Liberal Arts Colleges	15.2	17.1	21.2	15.6	20.1	18.8
Institutions Outside Minnesota	16.3	18.3	17.5	19.3	16.4	17.3
Schools Not Reported	0.1	0.2	0.4	0.0	0.4	0.3
Total Reporting Schools	100.0 (669)	100.0 (596)	100.0 (1421)	100.0 (871)	100.0 (1815)	100.0 (2686)

CLASS OF 1987 MUSIC STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	41.9	37.8	30.5	38.4	34.2	35.4
Part-Time	58.1	62.2	69.5	61.6	65.8	64.6
Total Reporting Employed Status	100.0 (585)	100.0 (473)	100.0 (1019)	100.0 (586)	100.0 (1491)	100.0 (2077)

CLASS OF 1987 MUSIC STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below $3.00 per hour	0.7	1.1	0.6	0.5	0.9	0.8
$3.00 - $3.99 per hour	37.2	38.5	42.2	31.8	43.0	40.0
$4.00 - $4.99 per hour	25.1	26.1	31.7	27.5	29.1	28.6
$5.00 - $5.99 per hour	18.2	19.8	14.8	21.3	15.3	16.6
$6.00 - $6.99 per hour	10.1	8.2	6.4	8.5	7.5	7.8
$7.00 per hour or more	8.6	6.2	4.3	10.5	4.3	5.9
Total Reporting Wages	100.0 (406)	100.0 (353)	100.0 (770)	100.0 (400)	100.0 (1129)	100.0 (1529)

CLASS OF 1987 MUSIC STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	1.8	2.6	1.2	5.0	0.4	1.7
Mining	0.0	0.0	0.1	0.2	0.0	0.0
Construction	0.7	0.7	0.8	2.3	0.1	0.7
Manufacturing	10.9	6.8	6.3	12.0	6.0	7.7
Transportation, Communications, and Other Public Utilities	3.4	2.4	2.3	4.1	2.1	2.6
Wholesale and Retail Trade	44.2	45.9	48.3	45.1	47.1	46.6
Finance, Insurance, and Real Estate	2.3	3.5	3.4	0.7	4.0	3.1
Business and Repair Services	4.1	2.6	3.0	5.0	2.6	3.2
Personal Services	5.7	3.7	3.7	1.9	5.1	4.2
Entertainment and Recreation Services	3.2	1.7	2.8	3.2	2.5	2.7
Professional and Related Services	21.0	25.1	25.4	16.5	27.1	24.1
Public Administration	1.2	2.4	0.4	1.4	1.0	1.1
Industry Not Reported	1.4	2.6	2.2	2.7	1.9	2.1
Total Reporting Activity	100.0 (561)	100.0 (458)	100.0 (984)	100.0 (565)	100.0 (1438)	100.0 (2003)

CLASS OF 1987 MUSIC STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

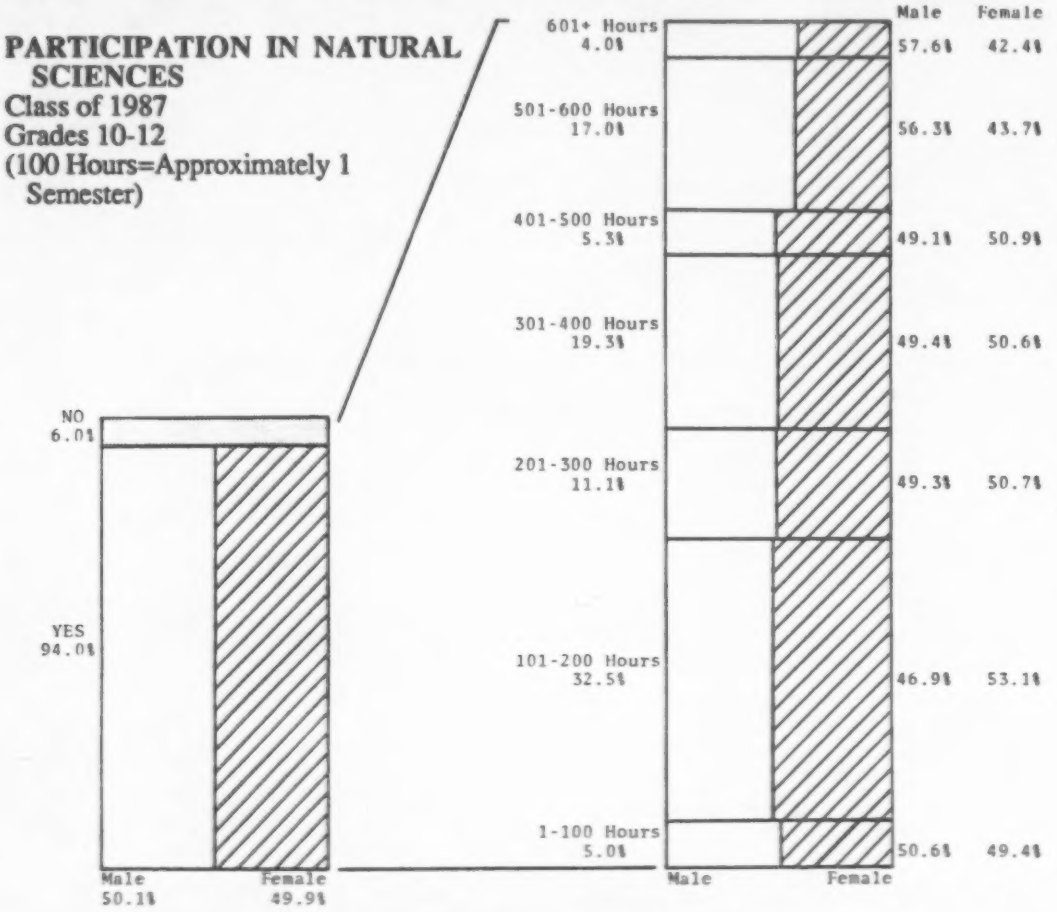
Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scientific, Teaching, and Related Occupations, Including Creative Artists	4.3	4.8	4.4	6.2	3.8	4.5
Technologists and Technicians Including Health	1.1	0.9	0.8	0.5	1.0	0.9
Marketing and Sales	24.2	26.4	23.7	18.1	26.9	24.5
Clerical	22.2	22.9	24.3	9.8	28.7	23.4
Service	30.7	31.1	35.1	29.7	34.2	32.9
Farming, Forestry, and Fishing	1.4	2.2	1.2	4.3	0.4	1.5
Construction and Extractive	0.5	0.4	1.0	2.4	0.1	0.8
Transportation and Material Moving	1.1	1.1	1.1	3.3	0.3	1.1
Mechanics and Repairers	1.4	0.7	0.9	3.3	0.1	1.0
Production	5.4	5.3	2.5	7.2	2.7	3.9
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	7.4	4.2	4.9	15.2	1.7	5.4
Total Reporting Occupations	100.0 (553)	100.0 (454)	100.0 (975)	100.0 (552)	100.0 (1430)	100.0 (1982)

CLASS OF 1987 NATURAL SCIENCE STUDENTS

Natural Science classes were selected by **94.0 percent** of the 13,945 students who participated in the follow-up study. The data reported in this section include the 13,115 students who completed one or more courses in the curriculum category of Natural Science.

50.1 percent of these Natural Science students were male, and 49.9 percent were female. Of these students surveyed, seventy-eight percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Chemistry, Conservation, General Biology, Geology, and Physics.

Of the 13,115 Natural Science students, 5,220 had from 1 to 200 hours of courses; 4,242 students had courses totaling 201 to 400 hours; and 3,653 had 401 or more hours of course work. The total percentage of students who had selected any Natural Science courses did not change from the Class of 1986 study.



CLASS OF 1987 NATURAL SCIENCE STUDENTS
PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	64.5	71.7	76.7	66.7	73.7	70.2
Return Incomplete	8.9	7.5	6.5	8.8	6.8	7.8
No Return Received	26.6	20.8	16.8	24.5	19.5	22.0
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(5220)	(4242)	(3653)	(6576)	(6539)	(13115)

CLASS OF 1987 NATURAL SCIENCE STUDENTS
PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	17.2	9.6	3.5	10.3	10.9	10.6
Community College	11.9	12.8	9.3	11.1	11.8	11.4
4-year College or University	21.4	45.5	72.5	41.1	47.7	44.5
Apprenticeship	0.6	0.5	0.2	0.6	0.3	0.5
Other Education	2.0	1.8	1.1	1.4	2.0	1.7
EMPLOYMENT						
Paid Employment	65.6	56.1	45.2	53.2	59.5	56.4
Homemaker	3.1	1.6	0.7	0.2	3.4	1.9
Military	6.7	5.3	4.5	10.1	1.3	5.6
Unemployed	11.4	10.2	10.7	9.9	11.7	10.8
OTHER						
Other Activity	2.0	2.1	2.0	2.2	1.8	2.0
Total Responses	141.9 (5442)	145.5 (4876)	149.9 (4583)	140.2 (6994)	150.4 (7927)	145.4 (14901)
Total Reporting Activity	100.0 (3835)	100.0 (3352)	100.0 (3058)	100.0 (4976)	100.0 (5269)	100.0 (10245)

CLASS OF 1987 NATURAL SCIENCE STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	35.2	21.9	8.3	24.2	21.5	22.8
Paid Employment and Vocational School	10.5	5.6	2.0	6.2	6.5	6.4
Paid Employment and Community College	7.8	9.1	6.1	6.8	8.6	7.7
Paid Employment and College or University	9.3	17.6	28.1	14.8	20.4	17.6
Vocational School (only)	3.9	2.7	1.0	2.8	2.6	2.7
Community College (only)	2.0	2.6	2.2	2.7	1.8	2.3
4-year College or University (only)	8.9	21.5	35.0	20.9	20.8	20.8
Education and Seeking Employment	7.0	8.0	9.6	7.3	8.9	8.1
Unemployed (only)	2.9	1.4	0.8	1.7	1.8	1.8
Activities Other Than The Above	12.5	9.5	6.9	12.6	7.3	9.8
Total Reporting Activity	100.0 (3821)	100.0 (3347)	100.0 (3052)	100.0 (4967)	100.0 (5253)	100.0 (10220)

CLASS OF 1987 NATURAL SCIENCE STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	81.3	83.7	90.9	86.7	85.0	85.8
Part-Time	18.7	16.3	9.1	13.3	15.0	14.2
Total Reporting Status	100.0 (1905)	100.0 (2256)	100.0 (2558)	100.0 (3046)	100.0 (3673)	100.0 (6719)

CLASS OF 1987 NATURAL SCIENCE STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	9.5	17.2	24.1	19.7	15.9	17.6
State Universities	12.1	19.1	17.3	16.0	16.7	16.4
Area Vocational-Technical Institutes	27.5	10.6	3.0	14.3	11.2	12.6
Community College	21.1	18.1	10.4	16.7	15.6	16.1
Private Vocational Schools (including health related)	9.9	5.3	2.2	4.0	6.7	5.5
Private Jr. Colleges Liberal Arts Colleges	8.2	14.3	21.4	12.5	17.5	15.2
Institutions Outside Minnesota	11.2	15.3	21.5	17.0	16.0	16.4
Schools Not Reported	0.4	0.1	0.1	0.0	0.4	0.2
Total Reporting Schools	100.0 (1780)	100.0 (2113)	100.0 (2326)	100.0 (2819)	100.0 (3400)	100.0 (6219)

CLASS OF 1987 NATURAL SCIENCE STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-40 hours	401 or more hours	Male	Female	Total
Full-Time	55.7	44.6	25.1	51.1	39.4	44.7
Part-Time	44.3	55.4	74.9	48.9	60.6	55.3
Total Reporting Employed Status	100.0 (2479)	100.0 (1876)	100.0 (1376)	100.0 (2616)	100.0 (3115)	100.0 (5731)

CLASS OF 1987 NATURAL SCIENCE STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below $3.00 per hour	0.7	0.4	0.4	0.3	0.7	0.5
$3.00 - $3.99 per hour	26.1	30.2	35.8	20.5	37.2	30.1
$4.00 - $4.99 per hour	29.9	30.7	30.0	29.0	31.1	30.2
$5.00 - $5.99 per hour	20.5	18.9	20.9	23.5	17.6	20.1
$6.00 - $6.99 per hour	10.7	9.9	6.4	10.3	8.5	9.3
$7.00 per hour or more	12.1	9.8	6.4	16.4	5.0	9.8
Total Reporting Wages	100.0 (1651)	100.0 (1362)	100.0 (1089)	100.0 (1749)	100.0 (2353)	100.0 (4102)

CLASS OF 1987 NATURAL SCIENCE STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	2.4	2.2	1.3	4.1	0.5	2.1
Mining	0.0	0.1	0.1	0.1	0.0	0.1
Construction	2.9	2.5	1.4	4.9	0.4	2.4
Manufacturing	14.3	11.9	6.4	16.4	7.7	11.6
Transportation, Communications, and Other Public Utilities	2.8	2.3	2.2	3.7	1.5	2.5
Wholesale and Retail Trade	45.2	47.3	47.2	43.4	48.8	46.3
Finance, Insurance, and Real Estate	3.3	2.2	1.6	0.8	4.0	2.5
Business and Repair Services	5.6	4.3	3.7	7.3	2.6	4.7
Personal Services	4.4	4.4	3.0	2.5	5.4	4.1
Entertainment and Recreation Services	2.2	2.8	3.0	3.1	2.1	2.6
Professional and Related Services	14.0	17.4	26.8	10.7	24.3	18.2
Public Administration	1.2	1.3	1.0	1.4	1.0	1.2
Industry Not Reported	1.7	1.2	2.4	1.7	1.7	1.7
Total Reporting Activity	100.0 (2423)	100.0 (1800)	100.0 (1316)	100.0 (2513)	100.0 (3026)	100.0 (5539)

CLASS OF 1987 NATURAL SCIENCE STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scientific, Teaching, and Related Occupations, Including Creative Artists	3.0	3.5	5.0	4.1	3.3	3.6
Technologists and Technicians Including Health	0.9	1.1	0.7	0.8	1.0	0.9
Marketing and Sales	21.3	22.2	21.7	14.3	27.8	21.7
Clerical	19.1	18.8	20.4	8.7	28.0	19.3
Service	27.6	29.5	35.8	26.3	33.3	30.2
Farming, Forestry, and Fishing	2.6	2.4	1.8	4.4	0.7	2.3
Construction and Extractive	2.4	1.6	1.2	4.0	0.1	1.9
Transportation and Material Moving	2.7	1.3	1.1	3.7	0.4	1.9
Mechanics and Repairers	3.0	1.9	0.7	4.4	0.1	2.1
Production	8.0	6.9	3.7	10.4	3.6	6.6
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	9.4	10.9	7.9	18.9	1.9	9.5
Total Reporting Occupations	100.0 (2391)	100.0 (1801)	100.0 (1307)	100.0 (2476)	100.0 (3023)	100.0 (5499)

CLASS OF 1987 OFFICE OCCUPATIONS STUDENTS

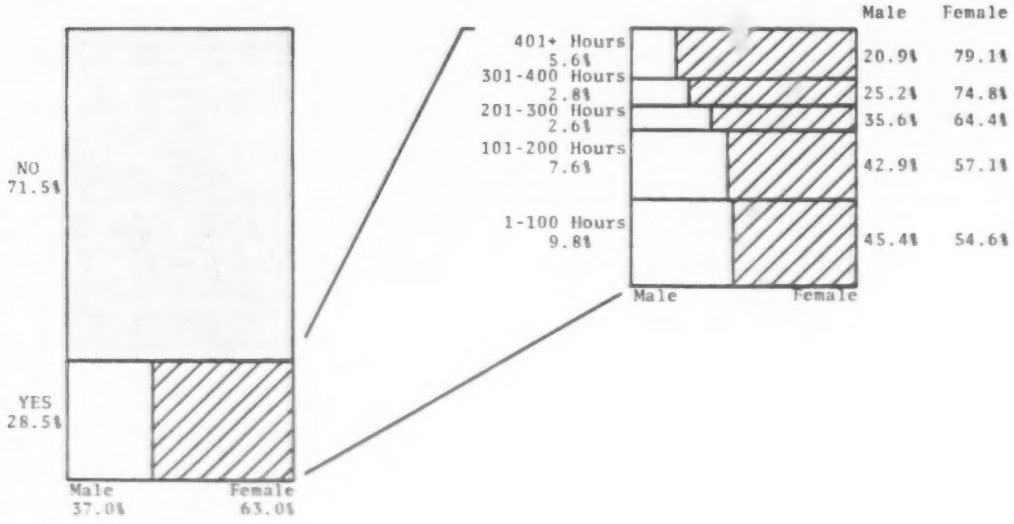
Office Occupations classes were selected by **28.5 percent** of the 13,945 students who participated in the follow-up study. The data reported in this section include the 3,972 students who completed one or more courses in the curriculum category of Office Occupations.

Thirty-seven percent of these Office Occupations students were male, and sixty-three percent were female. Of these students surveyed, 76.3 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Data Processing, Advanced Accounting, Advanced Typing, Business Technology and Micro Computer Applications.

Of the 3,972 Office Occupations students, 2,430 had from 1 to 200 hours of courses; 759 students had courses totaling 201 to 400 hours; and 783 had 401 or more hours of course work. The total percentage of students who had selected any Office Occupations courses increased 5.5 over the Class of 1986 study.

PARTICIPATION IN OFFICE OCCUPATIONS

Class of 1987
Grades 10-12
(100 Hours=Approximately 1 Semester)



CLASS OF 1987 OFFICE OCCUPATIONS STUDENTS
PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	70.7	69.7	62.5	63.3	72.2	68.9
Return Incomplete	7.2	7.9	7.4	8.8	6.5	7.4
No Return Received	22.1	22.4	30.1	27.9	21.3	23.7
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(2430)	(759)	(783)	(1469)	(2503)	(3972)

CLASS OF 1987 OFFICE OCCUPATIONS STUDENTS
PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	9.8	14.5	19.8	9.2	14.3	12.5
Community College	14.2	11.5	10.8	12.8	13.2	13.1
4-year College or University	44.0	33.0	25.6	41.5	37.0	38.6
Apprenticeship	0.2	0.9	0.9	0.4	0.5	0.5
Other Education	1.7	3.2	2.6	1.9	2.3	2.1
EMPLOYMENT						
Paid Employment	59.9	69.1	68.1	56.6	66.6	63.1
Homemaker	1.9	2.7	2.8	0.3	3.2	2.2
Military	4.4	3.1	2.4	8.3	1.4	3.8
Unemployed	8.7	6.5	9.0	7.0	9.0	8.3
OTHER						
Other Activity	1.8	2.4	2.8	2.4	2.0	2.1
Total Responses	146.6 (2746)	146.8 (859)	144.8 (776)	140.3 (1468)	149.5 (2913)	146.3 (4381)
Total Reporting Activity	100.0 (1873)	100.0 (585)	100.0 (536)	100.0 (1046)	100.0 (1948)	100.0 (2994)

CLASS OF 1987 OFFICE OCCUPATIONS STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	23.0	29.8	33.6	23.9	27.5	26.2
Paid Employment and Vocational School	6.2	9.2	11.1	6.1	8.5	7.6
Paid Employment and Community College	11.0	9.1	8.4	9.1	10.8	10.2
Paid Employment and College or University	18.3	17.6	12.9	16.3	17.7	17.2
Vocational School (only)	2.4	3.9	5.3	2.5	3.6	3.2
Community College (only)	2.2	1.9	1.1	2.8	1.5	1.9
4-year College or University (only)	20.8	12.7	10.1	21.4	15.1	17.3
Education and Seeking Employment	6.4	3.8	5.6	4.7	6.3	5.8
Unemployed (only)	1.4	1.9	2.8	1.7	1.8	1.8
Activities Other Than The Above	8.2	10.1	9.0	11.5	7.3	8.7
Total Reporting Activity	100.0 (1868)	100.0 (584)	100.0 (533)	100.0 (1045)	100.0 (1940)	100.0 (2985)

CLASS OF 1987 OFFICE OCCUPATIONS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	85.1	82.8	81.1	85.9	83.1	84.1
Part-Time	14.9	17.2	18.9	14.1	16.9	15.9
Total Reporting Status	100.0 (1270)	100.0 (349)	100.0 (302)	100.0 (668)	100.0 (1253)	100.0 (1921)

CLASS OF 1987 OFFICE OCCUPATIONS STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	21.1	13.9	12.3	24.6	15.1	18.4
State Universities	14.3	18.6	13.0	15.9	14.3	14.9
Area Vocational-Technical Institutes	10.7	17.4	28.9	11.0	16.7	14.7
Community College	18.1	19.6	17.7	19.3	17.7	18.3
Private Vocational Schools (including health related)	6.4	12.0	13.0	5.1	10.1	8.4
Private Jr. Colleges Liberal Arts Colleges	15.4	7.6	7.9	12.3	13.2	12.8
Institutions Outside Minnesota	13.8	10.4	7.2	11.8	12.4	12.2
Schools Not Reported	0.3	0.6	0.0	0.0	0.5	0.3
Total Reporting Schools	100.0 (1196)	100.0 (317)	100.0 (277)	100.0 (627)	100.0 (1163)	100.0 (1790)

CLASS OF 1987 OFFICE OCCUPATIONS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	40.6	50.2	51.6	45.2	44.6	44.8
Part-Time	59.4	49.8	48.4	54.8	55.4	55.2
Total Reporting Employed Status	100.0 (1125)	100.0 (404)	100.0 (364)	100.0 (593)	100.0 (1300)	100.0 (1893)

CLASS OF 1987 OFFICE OCCUPATIONS STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below $3.00 per hour	0.3	0.3	0.0	0.0	0.3	0.2
$3.00 - $3.99 per hour	26.1	33.2	27.7	17.7	32.1	28.0
$4.00 - $4.99 per hour	30.9	30.1	29.9	27.6	31.7	30.5
$5.00 - $5.99 per hour	23.5	18.3	20.9	26.8	19.9	21.9
$6.00 - $6.99 per hour	9.7	10.4	11.2	10.2	10.1	10.1
$7.00 per hour or more	9.4	7.6	10.4	17.7	5.9	9.3
Total Reporting Wages	100.0 (773)	100.0 (289)	100.0 (278)	100.0 (384)	100.0 (956)	100.0 (1340)

CLASS OF 1987 OFFICE OCCUPATIONS STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	0.6	0.5	0.0	1.1	0.2	0.5
Mining	0.2	0.0	0.0	0.4	0.0	0.1
Construction	1.5	1.6	0.8	3.9	0.2	1.4
Manufacturing	9.2	9.8	14.7	12.5	9.5	10.4
Transportation, Communications, and Other Public Utilities	2.1	1.3	1.7	3.2	1.3	1.9
Wholesale and Retail Trade	51.5	51.7	39.8	51.5	48.3	49.3
Finance, Insurance, and Real Estate	3.4	6.7	9.3	1.2	7.0	5.2
Business and Repair Services	4.6	2.3	5.1	7.7	2.6	4.2
Personal Services	4.3	5.2	4.2	2.1	5.5	4.5
Entertainment and Recreation Services	2.4	2.1	2.0	2.8	2.0	2.2
Professional and Related Services	17.5	13.7	15.8	9.8	19.3	16.4
Public Administration	0.8	2.3	0.8	1.1	1.2	1.1
Industry Not Reported	2.0	2.8	5.6	2.8	2.9	2.9
Total Reporting Activity	100.0 (1096)	100.0 (387)	100.0 (354)	100.0 (569)	100.0 (1268)	100.0 (1837)

CLASS OF 1987 OFFICE OCCUPATIONS STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scientific, Teaching, and Related Occupations, Including Creative Artists	3.9	4.9	3.2	5.1	3.5	4.0
Technologists and Technicians Including Health	0.7	0.8	0.6	0.2	1.0	0.7
Marketing and Sales	24.2	25.6	22.1	16.1	27.6	24.1
Clerical	17.3	30.5	43.6	8.7	32.5	25.2
Service	33.2	26.9	20.6	29.7	29.4	29.5
Farming, Forestry, and Fishing	1.4	0.8	0.0	2.0	0.6	1.0
Construction and Extractive	0.5	0.5	0.3	1.3	0.1	0.4
Transportation and Material Moving	2.2	0.3	0.6	4.5	0.2	1.5
Mechanics and Repairers	1.8	0.0	0.3	3.3	0.2	1.1
Production	5.6	4.7	4.9	9.1	3.6	5.3
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	9.1	5.2	3.7	20.1	1.6	7.2
Total Reporting Occupations	100.0 (1073)	100.0 (387)	100.0 (349)	100.0 (552)	100.0 (1257)	100.0 (1809)

CLASS OF 1987 SERVICE OCCUPATIONS STUDENTS

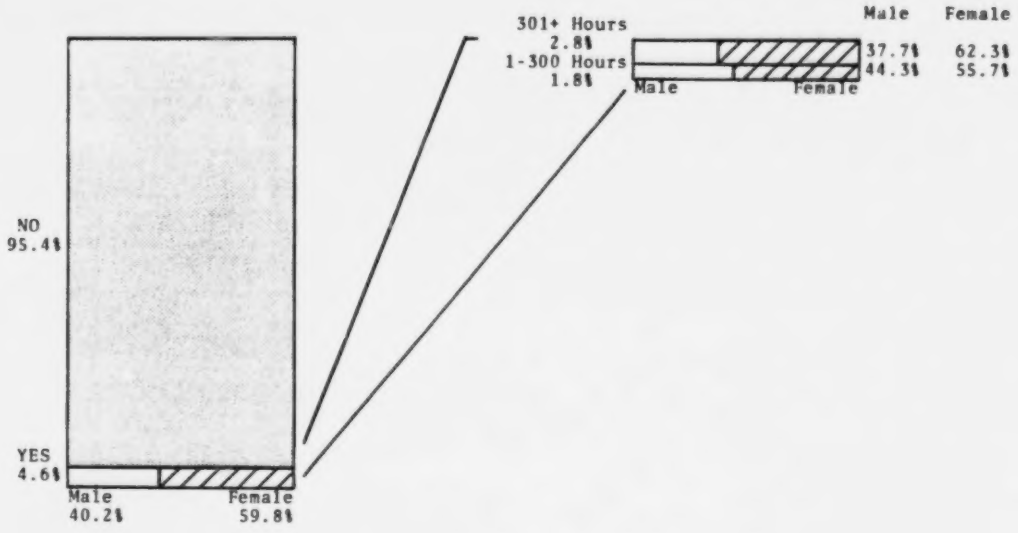
Service Occupations classes were selected by **4.6 percent** of the 13,945 students who participated in the follow-up study. The data reported in this section include the 637 students who completed one or more courses in the curriculum category of Service Occupations.

40.2 percent of these Service Occupations students were male, and 59.8 percent were female. Of these students surveyed, 71.7 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Child Care, Food Services, Personal Services, and Protective Service.

Of the 637 Service Occupations students, 204 had from 1 to 200 hours of courses, 212 students had courses totaling 201 to 400 hours; and 221 had 401 or more hours of course work. The total percentage of students who had selected any Service Occupations courses remained the same as the Class of 1986 study.

PARTICIPATION IN SERVICE OCCUPATIONS

Class of 1987
Grades 10-12
(100 Hours=Approximately 1 Semester)



CLASS OF 1987 SERVICE OCCUPATIONS STUDENTS
PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	54.4	60.8	61.5	51.2	64.3	59.0
Return Incomplete	17.2	12.3	9.0	14.1	11.8	12.7
No Return Received	28.4	26.9	29.4	34.8	23.9	28.3
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(204)	(212)	(221)	(256)	(381)	(637)

CLASS OF 1987 SERVICE OCCUPATIONS STUDENTS
PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	9.3	14.9	23.9	16.9	15.9	16.3
Community College	9.3	9.7	6.5	6.6	9.5	8.5
4-year College or University	29.3	11.7	13.5	16.3	18.7	17.8
Apprenticeship	2.1	0.6	0.0	0.6	1.1	0.9
Other Education	0.7	2.6	1.3	0.0	2.5	1.6
EMPLOYMENT						
Paid Employment	60.0	75.3	70.3	62.7	72.4	68.8
Homemaker	2.1	7.8	4.5	0.0	7.8	4.9
Military	7.9	5.2	4.5	13.3	1.4	5.8
Unemployed	18.6	7.1	11.6	12.0	12.4	12.2
OTHER						
Other Activity	3.6	0.6	1.9	1.8	2.1	2.0
Total Responses	142.9 (200)	135.7 (209)	138.1 (214)	130.1 (216)	143.8 (407)	138.8 (623)
Total Reporting Activity	100.0 (140)	100.0 (154)	100.0 (155)	100.0 (166)	100.0 (283)	100.0 (449)

CLASS OF 1987 SERVICE OCCUPATIONS STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	30.7	45.5	43.2	41.0	39.6	40.1
Paid Employment and Vocational School	5.7	11.7	13.5	11.4	9.9	10.5
Paid Employment and Community College	5.7	7.8	4.5	3.0	7.8	6.0
Paid Employment and College or University	14.3	5.8	5.2	5.4	9.9	8.2
Vocational School (only)	1.4	3.2	7.1	4.2	3.9	4.0
Community College (only)	2.1	1.9	0.6	2.4	1.1	1.6
4-year College or University (only)	7.1	5.2	5.2	6.0	5.7	5.8
Education and Seeking Employment	11.4	0.6	7.1	7.2	5.7	6.2
Unemployed (only)	6.4	3.9	2.6	3.6	4.6	4.2
Activities Other Than The Above	14.7	14.3	11.0	15.7	12.0	13.4
Total Reporting Activity	100.0 (140)	100.0 (154)	100.0 (155)	100.0 (166)	100.0 (283)	100.0 (449)

CLASS OF 1987 SERVICE OCCUPATIONS STUDENTS PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	79.7	81.5	77.6	82.3	78.1	79.5
Part-Time	20.3	18.5	22.4	17.7	21.9	20.5
Total Reporting Status	100.0 (69)	100.0 (54)	100.0 (67)	100.0 (62)	100.0 (128)	100.0 (190)

CLASS OF 1987 SERVICE OCCUPATIONS STUDENTS PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	13.6	11.1	6.1	8.6	10.7	10.1
State Universities	11.9	7.4	9.1	10.3	9.1	9.5
Area Vocational-Technical Institutes	13.6	24.1	42.4	34.5	24.0	27.4
Community College	16.9	22.2	12.1	12.1	19.0	16.8
Private Vocational Schools (including health related)	10.2	20.4	13.6	8.6	17.4	14.5
Private Jr. Colleges Liberal Arts Colleges	6.8	1.9	7.6	1.7	7.4	5.6
Institutions Outside Minnesota	27.1	13.0	7.6	22.4	12.4	15.6
Schools Not Reported	0.0	0.0	1.5	1.7	0.0	0.6
Total Reporting Schools	100.0 (59)	100.0 (54)	100.0 (66)	100.0 (58)	100.0 (121)	100.0 (179)

CLASS OF 1987 SERVICE OCCUPATIONS STUDENTS PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	49.4	60.5	63.8	68.0	54.0	58.6
Part-Time	50.6	39.5	36.2	32.0	46.0	41.4
Total Reporting Employed Status	100.0 (83)	100.0 (114)	100.0 (105)	100.0 (100)	100.0 (202)	100.0 (302)

CLASS OF 1987 SERVICE OCCUPATIONS STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below $3.00 per hour	0.0	0.0	0.0	0.0	0.0	0.0
$3.00 - $3.99 per hour	39.3	26.7	15.7	10.0	34.1	26.3
$4.00 - $4.99 per hour	26.8	33.3	34.3	31.7	31.7	31.7
$5.00 - $5.99 per hour	12.5	16.7	25.7	23.3	16.7	18.8
$6.00 - $6.99 per hour	14.3	6.7	18.6	20.0	10.3	13.4
$7.00 per hour or more	7.1	16.7	5.7	15.0	7.1	9.7
Total Reporting Wages	100.0 (56)	100.0 (60)	100.0 (70)	100.0 (60)	100.0 (126)	100.0 (186)

CLASS OF 1987 SERVICE OCCUPATIONS STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	2.6	2.7	4.7	8.2	1.0	3.4
Mining	0.0	0.0	0.0	0.0	0.0	0.0
Construction	0.0	2.7	0.9	4.1	0.0	1.4
Manufacturing	11.8	10.9	15.9	16.5	11.2	13.0
Transportation, Communications, and Other Public Utilities	1.3	1.8	1.9	3.1	1.0	1.7
Wholesale and Retail Trade	44.7	45.5	39.3	42.3	43.4	43.0
Finance, Insurance, and Real Estate	2.6	0.9	1.9	1.0	2.0	1.7
Business and Repair Services	2.6	1.8	10.3	11.3	2.0	5.1
Personal Services	3.9	8.2	11.2	3.1	10.7	8.2
Entertainment and Recreation Services	2.6	3.6	0.9	2.1	2.6	2.4
Professional and Related Services	19.7	20.0	11.2	3.1	23.5	16.7
Public Administration	3.9	0.0	0.9	1.0	1.5	1.4
Industry Not Reported	3.9	1.8	0.9	4.1	1.0	2.0
Total Reporting Activity	100.0 (76)	100.0 (110)	100.0 (107)	100.0 (97)	100.0 (196)	100.0 (293)

CLASS OF 1987 SERVICE OCCUPATIONS STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scientific, Teaching, and Related Occupations, Including Creative Artists	0.0	3.6	2.8	1.0	3.0	2.3
Technologists and Technicians Including Health	0.0	2.7	0.0	0.0	1.5	1.0
Marketing and Sales	20.0	13.5	17.8	8.3	20.8	16.8
Clerical	20.0	18.9	11.2	3.1	22.8	16.4
Service	35.0	40.5	40.2	31.3	42.6	38.9
Farming, Forestry, and Fishing	1.3	3.6	2.8	6.3	1.0	2.7
Construction and Extractive	1.3	1.8	0.9	4.2	0.0	1.3
Transportation and Material Moving	0.0	0.0	0.0	0.0	0.0	0.0
Mechanics and Repairers	1.3	5.4	4.7	10.4	1.0	4.0
Production	8.8	5.4	8.4	11.5	5.4	7.4
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	12.5	4.5	11.2	24.0	2.0	9.1
Total Reporting Occupations	100.0 (80)	100.0 (111)	100.0 (107)	100.0 (96)	100.0 (202)	100.0 (298)

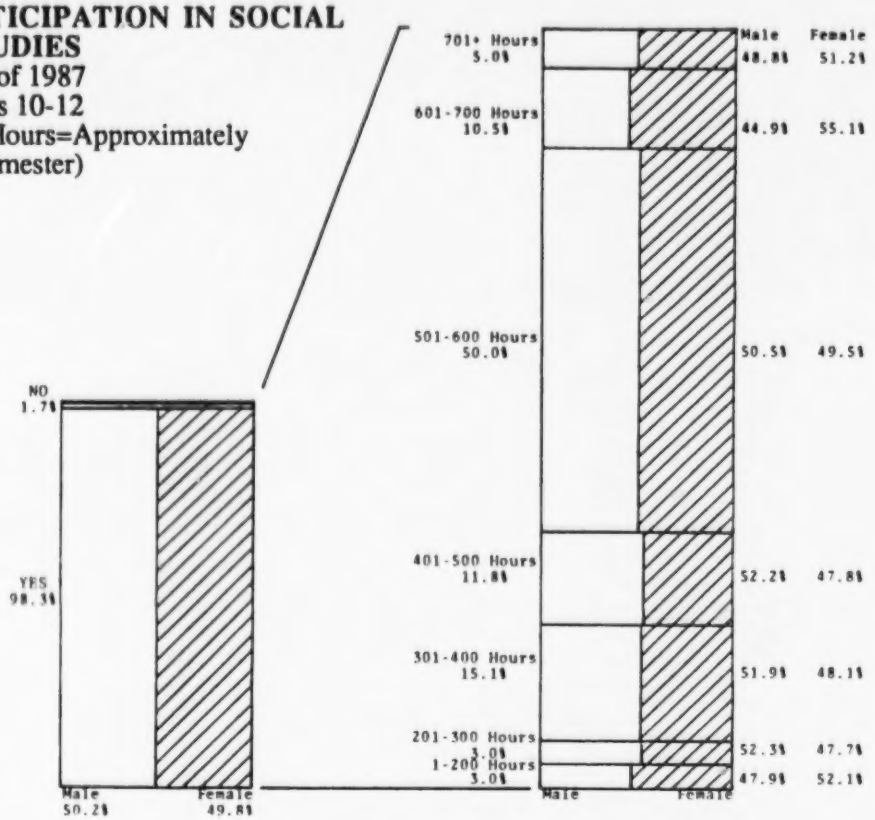
CLASS OF 1987 SOCIAL STUDIES STUDENTS

Social Studies classes were selected by **98.3 percent** of the 13,945 students who participated in the follow-up study. The data reported in this section include the 13,704 students who completed one or more courses in the curriculum category of Social Studies.

50.2 percent of these Social Studies students were male, and 49.8 percent were female. Of these students surveyed, 77.3 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: American Government, Economics, General Psychology, and Modern History.

Of the 13,704 Social Studies students, 419 had from 1 to 200 hours of courses; 2,515 students had courses totaling 201 to 400 hours; and 10,770 had 401 or more hours of course work. The total percentage of students who had selected any Social Studies courses remained the same as the Class of 1986 study.

PARTICIPATION IN SOCIAL STUDIES
Class of 1987
Grades 10-12
(100 Hours=Approximately 1 Semester)



CLASS OF 1987 SOCIAL STUDIES STUDENTS
PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	49.6	59.9	72.3	65.9	72.7	69.3
Return Incomplete	9.3	9.7	7.5	9.0	7.0	8.0
No Return Received	41.1	30.5	20.2	25.1	20.3	22.7
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(419)	(2515)	(10770)	(6885)	(6819)	(13704)

CLASS OF 1987 SOCIAL STUDIES STUDENTS
PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	13.8	11.1	10.7	10.6	11.1	10.9
Community College	7.5	8.8	11.8	10.8	11.7	11.2
4-year College or University	27.5	42.8	44.0	40.1	46.6	43.5
Apprenticeship	0.0	0.7	0.4	0.6	0.3	0.5
Other Education	2.9	2.6	1.5	1.5	2.0	1.7
EMPLOYMENT						
Paid Employment	65.4	56.1	56.6	53.6	59.8	56.8
Homemaker	4.2	2.8	1.6	0.2	3.5	1.9
Military	3.8	6.3	5.5	10.0	1.3	5.6
Unemployed	19.6	12.1	10.3	10.0	11.6	10.8
OTHER						
Other Activity	3.3	2.7	1.8	2.2	1.8	2.0
Total Responses	147.9 (355)	146.1 (2577)	144.4 (12415)	139.5 (7206)	149.8 (8141)	144.8 (15347)
Total Reporting Activity	100.0 (240)	100.0 (1764)	100.0 (8595)	100.0 (5164)	100.0 (5435)	100.0 (10599)

CLASS OF 1987 SOCIAL STUDIES STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	36.3	23.8	23.2	25.0	22.3	23.6
Paid Employment and Vocational School	8.8	6.4	6.4	6.4	6.5	6.4
Paid Employment and Community College	3.8	5.3	8.2	6.6	8.6	7.6
Paid Employment and College or University	15.0	18.1	17.1	14.3	19.9	17.2
Vocational School (only)	2.1	3.0	2.8	2.9	2.7	2.8
Community College (only)	1.3	2.5	2.2	2.7	1.8	2.2
4-year College or University (only)	3.8	18.6	21.2	20.5	20.3	20.4
Education and Seeking Employment	12.9	8.2	7.8	7.2	8.7	8.0
Unemployed (only)	3.3	2.2	1.8	1.9	1.9	1.9
Activities Other Than The Above	12.9	12.0	9.3	12.6	7.3	9.9
Total Reporting Activity	100.0 (240)	100.0 (1761)	100.0 (8573)	100.0 (5155)	100.0 (5419)	100.0 (10574)

CLASS OF 1987 SOCIAL STUDIES STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	84.2	84.4	86.0	86.6	84.9	85.7
Part-Time	15.8	15.6	14.0	13.4	15.1	14.3
Total Reporting Status	100.0 (114)	100.0 (1099)	100.0 (5637)	100.0 (3111)	100.0 (3739)	100.0 (6850)

CLASS OF 1987 SOCIAL STUDIES STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	18.0	18.7	17.1	19.4	15.7	17.4
State Universities	13.0	17.2	16.2	15.9	16.7	16.3
Area Vocational-Technical Institutes	18.0	15.5	12.5	15.0	11.5	13.1
Community College	15.0	11.7	16.9	16.5	15.6	16.0
Private Vocational Schools (including health related)	11.0	3.8	5.9	4.0	7.0	5.6
Private Jr. Colleges Liberal Arts Colleges	8.0	16.5	14.9	12.3	17.3	15.0
Institutions Outside Minnesota	16.0	16.5	16.2	16.7	15.8	16.3
Schools Not Reported	1.0	0.1	0.2	0.0	0.4	0.2
Total Reporting Schools	100.0 (100)	100.0 (1029)	100.0 (5213)	100.0 (2878)	100.0 (3464)	100.0 (6342)

CLASS OF 1987 SOCIAL STUDIES STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	56.1	45.7	45.3	52.0	40.2	45.6
Part-Time	43.9	54.3	54.7	48.0	59.8	54.4
Total Reporting Employed Status	100.0 (157)	100.0 (975)	100.0 (4833)	100.0 (2738)	100.0 (3227)	100.0 (5965)

CLASS OF 1987 SOCIAL STUDIES STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below $3.00 per hour	1.0	0.8	0.4	0.3	0.7	0.5
$3.00 - $3.99 per hour	37.5	32.1	29.1	20.2	37.0	29.8
$4.00 - $4.99 per hour	24.0	32.2	29.7	28.8	30.8	30.0
$5.00 - $5.99 per hour	17.3	19.7	20.5	23.8	17.7	20.3
$6.00 - $6.99 per hour	7.7	7.5	9.9	10.5	8.7	9.4
$7.00 per hour or more	12.5	7.7	10.4	16.4	5.2	10.0
Total Reporting Wages	100.0 (104)	100.0 (711)	100.0 (3443)	100.0 (1834)	100.0 (2424)	100.0 (4258)

CLASS OF 1987 SOCIAL STUDIES STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	7.4	2.7	2.0	4.5	0.4	2.3
Mining	0.0	0.0	0.1	0.1	0.0	0.1
Construction	2.0	2.2	2.4	4.8	0.4	2.4
Manufacturing	10.8	13.5	11.5	16.4	7.9	11.8
Transportation, Communications, and Other Public Utilities	2.0	2.2	2.6	3.7	1.5	2.5
Wholesale and Retail Trade	40.5	40.7	47.4	43.4	48.5	46.2
Finance, Insurance, and Real Estate	3.4	1.9	2.9	0.8	4.3	2.7
Business and Repair Services	3.4	5.2	4.8	7.4	2.6	4.8
Personal Services	4.1	6.2	3.6	2.4	5.4	4.0
Entertainment and Recreation Services	3.4	1.9	2.6	3.0	2.1	2.5
Professional and Related Services	18.9	18.8	17.7	10.5	24.0	17.9
Public Administration	0.0	1.7	1.1	1.3	1.1	1.2
Industry Not Reported	4.1	3.2	1.4	1.7	1.8	1.7
Total Reporting Activity	100.0 (148)	100.0 (905)	100.0 (4707)	100.0 (2627)	100.0 (3133)	100.0 (5760)

CLASS OF 1987 SOCIAL STUDIES STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scientific, Teaching, and Related Occupations, Including Creative Artists	1.4	3.9	3.6	4.0	3.2	3.6
Technologists and Technicians Including Health	0.7	1.0	0.9	0.7	1.0	0.9
Marketing and Sales	15.8	16.4	22.6	14.1	27.5	21.5
Clerical	24.0	18.3	19.4	8.6	28.3	19.4
Service	34.2	33.8	29.1	26.1	33.1	29.9
Farming, Forestry, and Fishing	6.2	3.5	2.2	4.7	0.6	2.5
Construction and Extractive	2.1	1.5	1.8	3.9	0.1	1.8
Transportation and Material Moving	3.4	2.9	1.7	3.8	0.4	1.9
Mechanics and Repairers	2.1	1.5	2.3	4.6	0.1	2.2
Production	5.5	5.9	7.0	10.5	3.7	6.8
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	2.1	11.3	9.4	18.8	2.0	9.6
Total Reporting Occupations	100.0 (146)	100.0 (909)	100.0 (4664)	100.0 (2588)	100.0 (3131)	100.0 (5719)

CLASS OF 1987 TRADE AND INDUSTRIAL EDUCATION STUDENTS

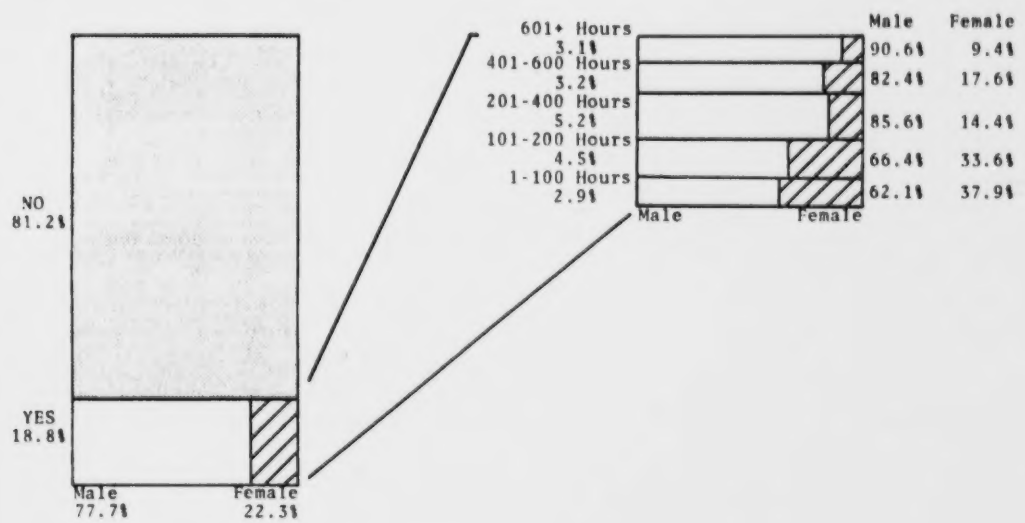
Trade and Industrial classes were selected by **18.8 percent** of the 13,945 students who participated in the follow-up study. The data reported in this section include the 2,618 students who completed one or more courses in the curriculum category of Trade and Industrial.

77.7 percent of these Trade and Industrial students were male, and 22.3 percent were female. Of these students surveyed, 73.6 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Graphics, Machine Shop, Automotive Mechanics, Carpentry, and Drafting.

Of the 2,618 Trade and Industrial students, 1,020 had from 1 to 200 hours of courses; 728 students had courses totaling 201 to 400 hours; and 870 had 401 or more hours of course work. The total percentage of students who had selected any Trade and Industrial courses increased 1.0 over the Class of 1986 study.

PARTICIPATION IN TRADE AND INDUSTRIAL EDUCATION

Class of 1987
Grades 10-12
(100 Hours=Approximately 1 Semester)



CLASS OF 1987 TRADE AND INDUSTRIAL EDUCATION STUDENTS PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	65.7	62.9	57.4	62.2	61.9	62.1
Return Incomplete	9.8	11.0	13.8	11.5	11.1	11.5
No Return Received	24.5	26.1	28.9	26.2	26.9	26.4
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(1020)	(728)	(870)	(2035)	(583)	(2618)

CLASS OF 1987 TRADE AND INDUSTRIAL EDUCATION STUDENTS PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	9.2	18.6	20.7	17.1	10.2	15.6
Community College	14.0	8.0	9.1	9.6	14.7	10.7
4-year College or University	33.4	17.2	11.5	19.8	28.7	21.7
Apprenticeship	0.3	0.8	1.3	0.8	0.5	0.7
Other Education	4.0	2.1	1.9	2.6	3.3	2.8
EMPLOYMENT						
Paid Employment	62.4	63.3	71.8	63.7	72.7	65.7
Homemaker	1.3	0.4	1.0	0.4	2.8	0.9
Military	8.7	11.9	9.9	12.2	2.1	10.0
Unemployed	7.0	10.2	7.2	8.6	5.7	7.9
OTHER						
Other Activity	2.0	2.5	1.4	1.8	2.4	1.9
Total Responses	142.2 (1078)	134.8 (712)	135.7 (852)	136.6 (2038)	143.1 (604)	138.0 (2642)
Total Reporting Activity	100.0 (758)	100.0 (528)	100.0 (628)	100.0 (1492)	100.0 (422)	100.0 (1914)

CLASS OF 1987 TRADE AND INDUSTRIAL EDUCATION STUDENTS PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	28.3	38.5	44.0	36.3	36.0	36.3
Paid Employment and Vocational School	4.5	12.1	13.2	10.5	5.9	9.5
Paid Employment and Community College	10.3	4.7	5.6	5.8	12.1	7.2
Paid Employment and College or University	16.5	6.1	6.4	9.1	14.5	10.3
Vocational School (only)	2.9	4.0	4.8	4.0	3.3	3.8
Community College (only)	3.0	1.3	2.4	2.5	1.9	2.4
4-year College or University (only)	14.7	8.0	3.5	8.3	12.1	9.2
Education and Seeking Employment	4.0	6.6	4.3	5.2	3.3	4.8
Unemployed (only)	1.8	2.5	2.1	2.4	0.9	2.1
Activities Other Than The Above	14.0	16.1	13.7	15.8	10.0	14.5
Total Reporting Activity	100.0 (757)	100.0 (527)	100.0 (627)	100.0 (1489)	100.0 (422)	100.0 (1911)

CLASS OF 1987 TRADE AND INDUSTRIAL EDUCATION STUDENTS PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	81.0	84.8	83.1	84.6	76.5	82.5
Part-Time	19.0	15.2	16.9	15.4	23.5	17.5
Total Reporting Status	100.0 (448)	100.0 (231)	100.0 (255)	100.0 (700)	100.0 (234)	100.0 (934)

CLASS OF 1987 TRADE AND INDUSTRIAL EDUCATION STUDENTS PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	22.7	11.0	7.7	15.5	16.5	15.8
State Universities	9.5	9.2	7.2	8.4	9.8	8.8
Area Vocational-Technical Institutes	11.8	32.6	45.5	30.3	13.8	26.1
Community College	25.4	17.0	20.0	20.7	25.0	21.8
Private Vocational Schools (including health related)	7.8	13.3	8.1	9.1	9.8	9.3
Private Jr. Colleges Liberal Arts Colleges	8.3	6.9	4.3	5.4	11.2	6.9
Institutions Outside Minnesota	14.5	9.6	7.2	10.6	13.4	11.3
Schools Not Reported	0.0	0.5	0.0	0.0	0.4	0.1
Total Reporting Schools	100.0 (422)	100.0 (218)	100.0 (235)	100.0 (651)	100.0 (224)	100.0 (875)

CLASS OF 1987 TRADE AND INDUSTRIAL EDUCATION STUDENTS PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	49.4	63.1	67.0	61.3	53.3	59.3
Part-Time	50.6	36.9	33.0	38.7	46.7	40.7
Total Reporting Employed Status	100.0 (470)	100.0 (336)	100.0 (443)	100.0 (943)	100.0 (306)	100.0 (1249)

CLASS OF 1987 TRADE AND INDUSTRIAL EDUCATION STUDENTS PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below $3.00 per hour	0.3	0.0	0.4	0.2	0.5	0.2
$3.00 - $3.99 per hour	17.8	13.0	14.1	12.1	24.0	15.3
$4.00 - $4.99 per hour	31.6	25.6	27.5	26.7	34.1	28.7
$5.00 - $5.99 per hour	23.3	30.4	26.4	28.0	21.2	26.2
$6.00 - $6.99 per hour	12.6	14.5	13.0	13.0	13.8	13.2
$7.00 per hour or more	14.4	16.4	18.6	20.0	6.5	16.3
Total Reporting Wages	100.0 (326)	100.0 (207)	100.0 (269)	100.0 (585)	100.0 (217)	100.0 (802)

CLASS OF 1987 TRADE AND INDUSTRIAL EDUCATION STUDENTS PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	2.2	4.0	4.9	4.7	0.3	3.6
Mining	0.0	0.0	0.2	0.1	0.0	0.1
Construction	2.8	6.5	4.9	5.9	0.3	4.6
Manufacturing	11.8	22.5	22.4	21.4	9.2	18.4
Transportation, Communications, and Other Public Utilities	3.7	2.8	2.6	3.7	1.0	3.1
Wholesale and Retail Trade	47.5	40.0	39.8	40.6	49.3	42.8
Finance, Insurance, and Real Estate	1.5	0.3	0.9	0.1	3.7	1.0
Business and Repair Services	5.5	8.6	8.7	9.1	2.4	7.5
Personal Services	2.6	2.5	3.8	1.8	6.8	3.0
Entertainment and Recreation Services	4.4	2.5	0.9	2.2	4.1	2.7
Professional and Related Services	14.9	8.3	7.5	7.4	20.1	10.5
Public Administration	2.4	0.9	1.2	1.6	1.4	1.6
Industry Not Reported	0.7	1.2	2.1	1.3	1.4	1.3
Total Reporting Activity	100.0 (457)	100.0 (325)	100.0 (425)	100.0 (913)	100.0 (294)	100.0 (1207)

CLASS OF 1987 TRADE AND INDUSTRIAL EDUCATION STUDENTS PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scientific, Teaching, and Related Occupations, Including Creative Artists	2.7	2.5	4.5	3.3	3.4	3.3
Technologists and Technicians Including Health	1.1	0.6	0.7	0.7	1.3	0.8
Marketing and Sales	23.0	10.6	12.0	10.9	30.3	15.7
Clerical	17.2	8.7	8.9	7.4	25.6	12.0
Service	24.6	21.7	22.0	21.3	27.6	22.9
Farming, Forestry, and Fishing	2.0	5.0	5.3	4.6	2.0	4.0
Construction and Extractive	2.7	5.0	5.7	5.8	0.0	4.4
Transportation and Material Moving	1.3	3.7	3.8	3.7	0.3	2.9
Mechanics and Repairers	2.5	7.5	7.7	7.2	1.0	5.6
Production	9.2	16.1	13.4	14.9	5.4	12.5
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	13.8	18.6	16.0	20.2	3.0	15.9
Total Reporting Occupations	100.0 (448)	100.0 (322)	100.0 (418)	100.0 (891)	100.0 (297)	100.0 (1188)

Chapter 5:

EMPLOYER FOLLOW-UP CLASS OF 1987

One of the components of the system is the Employer Follow-up. It is felt that employers of recent high school leavers can provide school decisionmakers with valuable information for consideration in future program planning and development.

An Employer Follow-up Form was mailed to the employer of any respondent who indicated employment and provided sufficient information to contact the employer. The responses of 834 employers are represented.

	VeryGood	Good	Average	Poor	VeryPoor
1. Rating of student's technical knowledge	17.0%	28.9%	26.7%	17.6%	9.6%
2. Rating of student's work attitude	28.6%	21.6%	17.9%	14.4%	17.3%
3. Rating of student's work quality	22.8%	24.5%	21.8%	15.5%	15.5%
4. Overall rating of education received by this student as it pertains to the requirements of the job	16.7%	32.2%	22.9%	17.6%	10.4%

5. Rating of student's preparation in relation to other employees doing similar work?	No basis for comparison	14.9%
	Better prepared	29.8%
	Prepared same	47.8%
	Less prepared	7.5%

Student has demonstrated-----	Strongly Agree	Agree	No Opportunity to Observe	Disagree	Strongly Disagree
6. the ability and willingness to learn new skills and concepts	28.7%	45.1%	3.1%	14.5%	8.6%
7. adaptability to changing job situations	23.0%	46.6%	7.6%	15.7%	7.1%
8. the ability to offer constructive dissent in a non-hostile manner	14.4%	39.8%	23.3%	17.5%	5.0%
9. the ability and willingness to follow verbal and written instructions	27.7%	45.7%	3.7%	14.6%	8.4%
10. the ability to keep accurate records	15.7%	41.8%	22.7%	15.7%	4.2%
11. the ability to communicate effectively	22.9%	49.2%	4.0%	16.9%	7.0%
12. successful interpersonal relationships with co-workers and supervisors	28.1%	43.6%	2.6%	16.4%	9.3%

13. an understanding of the rights and responsibilities of employees and employers	22.0%	50.7%	8.5%	13.5%	5.3%
14. appropriate computation skills	17.2%	45.5%	17.4%	13.9%	6.0%

15. Would you consider hiring others from this school?	Yes	98.6%
	No	1.4%

APPENDIX A:
Minnesota Secondary Schools Participating in the Follow-up Project in 1987

Albert Lea (Central H.S.)
Alden-Conger
Alvarado
Anoka
Austin
Bagley
Barnesville
Battle Lake
Blue Earth
Brandon
Caledonia
Centennial
Chandler Lake Wilson
Chaska
Clarkfield
Clearbrook
Cold Spring (Rocori H.S.)
Crosby (Central H.S.)
Danube
Deer Creek
Delavan
Duluth (Central H.S.)
Duluth (Denfeld H.S.)
Duluth (East H.S.)
Eden Prairie
Fairfax
Faribault
Farmington
Floodwood
Forest Lake
Fosston
Glencoe
Glenwood
Grand Meadow
Hayfield
Hendricks
Henning
Inver Grove (Simley H.S.)
Lamberton (Lamberton/Sanborn H.S.)
Lancaster
LeRoy-Ostrander
Litchfield
Luverne
Mabel-Canton
Mahtomedi
Minneapolis (Sample)
Mounds View (Irondale H.S.)
Mounds View (Mounds View H.S.)
Nashwauk
New York Mills
North Branch
North St. Paul-Maplewood (North H.S.)
North St. Paul-Maplewood (Tartan H.S.)
Orono
Oslo
Pierz (Healy H.S.)
Pine City
Pine River
Plainview
Proctor
Remer (Northland-Remer H.S.)
Roseau
Rushford
St. Cloud (Technical H.S.)
St. Francis
St. James
St. Paul (Harding H.S.)
St. Paul (Highland H.S.)
St. Paul (Humboldt H.S.)
Sartell
Sauk Centre
Shakopee
South St. Paul
So. Washington Cty. (Park H.S.)
So. Washington Cty. (Woodbury H.S.)
Southland
Springfield
Storden-Jeffers
Thief River Falls (Lincoln H.S.)
Tracy
Watertown-Mayer
Westbrook
White Bear Lake
Willmar
Wrenshall

APPENDIX B
SPECIFIC INDUSTRIES WITHIN CATEGORIES USED IN REPORTS

AGRICULTURE, FORESTRY, AND FISHERIES
- Agricultural Production, Crops
- Agricultural Production, Livestock
- Agricultural Services Except Horticultural
- Horticultural Services

MINING
- Metal Mining
- Coal Mining
- Nonmetallic Mining and Quarrying, Except Fuel

CONSTRUCTION

MANUFACTURING
- Meat Products
- Dairy Products
- Canned and Preserved Fruits and Vegetables
- Grain Mill Products
- Bakery Products
- Sugar and Confectionery Products
- Beverage Industries
- Miscellaneous Food Preparations and Kindred Products
- Not Specified Food Industries
- Knitting Mills
- Dyeing and Finishing Textiles, Not Wood and Knit
- Floor Coverings, Except Hard Surface
- Yarn, Thread, and Fabric Mills
- Miscellaneous Textile Mill Products
- Apparel and Accessories, Except Knit
- Miscellaneous Fabricated Textile Products
- Pulp, Paper, and Paperboard Mills
- Miscellaneous Paper and Pulp Products
- Paperboard Containers and Boxes
- Newspaper Publishing and Printing
- Printing, Publishing and Allied Industries (Not Papers)
- Plastics, Synthetics, and Resins
- Drugs
- Soaps and Cosmetics
- Paints, Varnishes, and Related Products
- Agricultural Chemicals
- Industrial and Miscellaneous Chemicals
- Petroleum Refining
- Miscellaneous Petroleum and Coal Products
- Tires and Inner Tubes
- Other Rubber Products and Plastic Footwear and Belting
- Miscellaneous Plastics Products
- Leather Products, Except Footwear
- Logging

MANUFACTURING (cont.)
- Sawmills, Planing Mills, and Millwork
- Wood Buildings and Mobile Homes
- Miscellaneous Wood Products
- Furniture and Fixtures
- Glass and Glass Products
- Cement, Concrete, Gypsum, and Plaster Products
- Structural Clay Products
- Pottery and Related Products
- Miscellaneous Nonmetallic Mineral and Stone Products
- Iron and Steel Foundries
- Primary Aluminum Industries
- Other Primary Metal Industries
- Cutlery, Hand Tools, and Other Hardware
- Fabricated Structural Metal Products
- Screw Machine Products
- Metal Forgings and Stampings
- Miscellaneous Fabricated Metal Products
- Not Specified Metal Industries
- Engines and Turbines
- Farm Machinery and Equipment
- Construction and Material Handling Machines
- Metalworking Machinery
- Electronic Computing Equipment
- Machinery, Except Electrical, n.e.c.
- Not Specified Machinery
- Household Appliances
- Radio, TV, and Communication Equipment
- Electrical Machinery, Equipment, and Supplies, n.e.c.
- Not Specified Electrical Machinery, Equipment and Supplies
- Motor Vehicles and Motor Vehicle Equipment
- Aircraft and Parts
- Ship and Boat Building and Repairing
- Cycles and Miscellaneous Transportation Equipment
- Scientific and Controlling Instruments
- Optical and Health Services Supplies
- Photographic Equipment and Supplies
- Not Specified Professional Equipment
- Toys, Amusement, and Sporting Goods
- Miscellaneous Manufacturing Industries
- Not Specified Manufacturing Industries

TRANSPORTATION, COMMUNICATIONS, OTHER PUBLIC UTILITY
- Railroads
- Bus Service and Urban Transit
- Trucking Service

TRANSPORTATION, COMMUNICATION OTHER PUBLIC UTILITY (cont.)
- Warehousing and Storage
- U.S. Postal Service
- Air Transportation
- Pipe Lines, Except Natural Gas
- Services Incidental to Transportation
- Radio and Television Broadcasting
- Telephone
- Telegraph and Misc. Communication Services
- Electric Light and Power
- Gas and Steam Supply Systems
- Electric and Gas, and Other Combinations
- Water Supply and Irrigation
- Sanitary Services
- Not Specified Utilities

WHOLESALE AND RETAIL TRADE
- Motor Vehicles and Equipment
- Furniture and Home Furnishings
- Lumber and Construction Materials
- Sporting Goods, Toys, and Hobby Goods
- Electrical Goods
- Hardware, Plumbing and Heating Supplies
- Not Specified Electrical and Hardware Products
- Machinery, Equipment, and Supplies
- Miscellaneous Wholesale, Durable Goods
- Paper and Paper Products
- Drugs, Chemicals, and Allied Products
- Apparel, Fabrics, and Notions
- Groceries and Related Products
- Farm-Product Raw Materials
- Petroleum Products
- Alcoholic Beverages
- Farm Supplies
- Miscellaneous Wholesale, Non-Durable Goods
- Not Specified Wholesale Trade
- Lumber and Building Material Retailing
- Hardware Stores
- Retail Nurseries and Garden Stores
- Mobile Home Dealers
- Department Stores
- Variety Stores
- Miscellaneous General Merchandise Stores
- Dairy Products Stores
- Retail Bakeries
- Food Stores, n.e.c.
- Motor Vehicle Dealers
- Auto and Home Supply Stores
- Gasoline Service Stations
- Miscellaneous Vehicle Dealers
- Apparel and Accessory Stores, Except Shoe
- Shoe Stores
- Furniture and Home Furnishings Stores
- Household Appliances, TV, and Radio Stores
- Eating and Drinking Places

WHOLESALE AND RETAIL TRADE (cont.)
- Drug Stores
- Liquor Stores
- Sporting Goods, Bicycles, and Hobby Stores
- Book and Stationery Stores
- Jewelry Stores
- Sewing, Needlework, and Piece Goods Stores
- Mail Order Houses
- Vending Machine Operators
- Direct Selling Establishments
- Fuel and Ice Dealers
- Retail Florists
- Miscellaneous Retail Stores
- Not Specified Retail Trade

FINANCE, INSURANCE, AND REAL ESTATE
- Banking
- Savings and Loan Associations
- Credit Agencies, n.e.c.
- Security, Commodity Brokerage and Investment Co.'s
- Insurance
- Real Estate, Including Real Estate Insurance
- Law Offices

BUSINESS AND REPAIR SERVICES
- Advertising
- Services to Dwellings and Other Buildings
- Commercial Research, Development, and Testing Labs
- Personnel Supply Services
- Business Management and Consulting Services
- Computer and Data Processing Services
- Detective and Protective Services
- Business Services, n.e.c.
- Automotive Services, Except Repair
- Automotive Repair Shops
- Electrical Repair Shops
- Miscellaneous Repair Services

PERSONAL SERVICES
- Private Households
- Hotels and Motels
- Lodging Places, Except Hotels and Motels
- Laundry, Cleaning, and Garment Services
- Beauty Shops
- Barber Shops
- Funeral Service and Crematories
- Miscellaneous Personal Services

ENTERTAINMENT AND RECREATIONAL SERVICES
- Theaters and Motion Pictures
- Bowling Alleys, Billiard and Pool Parlors
- Miscellaneous Entertainment and Recreation Services

PROFESSIONAL AND RELATED SERVICES
- Offices of Physicians
- Offices of Dentists
- Offices of Chiropractors
- Offices of Optometrists
- Offices of Health Practitioners, n.e.c.
- Hospitals
- Nursing and Personal Care Facilities
- Health Services, n.e.c.
- Legal Services
- Elementary and Secondary Schools
- Colleges and Universities
- Business, Trade, and Vocational Schools
- Libraries
- Educational Services, n.e.c.
- Job Training and Vocational Rehabilitation Services
- Child Day Care Services
- Residential Care Facilities, Without Nursing
- Social Services, n.e.c.
- Museums, Art Galleries, and Zoos
- Religious Organizations
- Membership Organizations
- Engineering, Architectural, and Surveying Services

PROFESSIONAL AND RELATED SERVICES (cont.)
- Accounting, Auditing, and Bookkeeping Services
- Noncommercial Education and Scientific Research
- Miscellaneous Professional and Related Services

PUBLIC ADMINISTRATION
- Executive and Legislative Offices
- General Government, n.e.c.
- Justice, Public Order, and Safety
- Public Finance, Taxation and Monetary Policy
- Administration of Human Resources Programs
- Administration of Environmental Quality and Housing Programs
- Administration of Economic Programs
- National Security and International Affairs

INDUSTRY NOT REPORTED

APPENDIX C
SPECIFIC OCCUPATIONS WITHIN CATEGORIES USED IN REPORTS

ADMINISTRATIVE, ENGINEERING, SCIENTIFIC, TEACHING, AND RELATED OCCUPATIONS, INCLUDING CREATIVE ARTISTS

- Financial Managers
- Personnel and Labor Relations Managers
- Purchasing Managers
- Managers, Marketing, Advertising, Public Relations
- Managers and Administrators, n.e.c.
- Accountants and Auditors
- Personnel, Training, and Labor Relations Specialists
- Buyers, Wholesale and Retail, Except Farm Products
- Purchasing Agents and Buyers, n.e.c.
- Business and Promotion Agents
- Inspectors and Compliance Officers, Except Construction
- Management Related Occupations, n.e.c.
- Architects
- Electrical and Electronic Engineers
- Mechanical Engineers
- Engineers, n.e.c.
- Surveyors and Mapping Scientists
- Computer Systems Analysts and Scientists
- Operations and Systems Research and Analysts
- Chemists Except Biochemists
- Atmosphere and Space Scientists
- Optometrists
- Health Diagnosing Practitioners, n.e.c.
- Registered Nurses
- Pharmacists
- Dieticians
- Occupational Therapists
- Physicians' Assistants
- Physical Education Teachers
- Post-Secondary Teachers, Subject Not Specified
- Teachers, Pre-Kindergarten and Kindergarten
- Teachers, Elementary School
- Teachers, Special Education
- Teachers, n.e.c.
- Counselors, Educational and Vocational
- Librarians
- Social Workers
- Recreation Workers
- Authors
- Technical Writers
- Designers
- Musicians and Composers
- Actors and Directors
- Painters, Sculptors, Craft-Artists and Art Printmakers

ADMINISTRATIVE (cont.)

- Photographers
- Dancers
- Artists, Performers, and Related Workers, n.e.c.
- Editors and Reporters
- Public Relations Specialists
- Announcers
- Athletes

TECHNOLOGISTS AND TECHNICIANS INCLUDING HEALTH

- Clinical Laboratory Technologists and Technicians
- Health Record Technologists and Technicians
- Licensed Practical Nurses
- Health Technologists and Technicians, n.e.c.
- Electrical and Electronic Technicians
- Mechanical Engineering Technicians
- Drafting Occupations
- Surveying and Mapping Technicians
- Chemical Technicians
- Science Technicians, n.e.c.
- Airplane Pilots and Navigators
- Broadcast Equipment Operators
- Computer Programmers
- Tool Programmers, Numerical Control
- Legal Assistants
- Technicians, n.e.c.

MARKETING AND SALES

- Supervisors and Proprietors, Sales Occupations
- Insurance Sales Occupations
- Real Estate Sales Occupations
- Securities and Financial Services Sales Occ.
- Advertising and Related Sales Occupations
- Sales Occupations, Other Business Services
- Sales Reps., Mining, Manufacturing, and Wholesale
- Sales Workers, Motor Vehicles and Boats
- Sales Workers, Apparel
- Sales Workers, Shoes
- Sales Workers, Furniture and Home Furnishings
- Sales Workers, Radio, TV, HI-FI, and Appliances
- Sales Workers, Hardware and Building Supplies
- Sales Workers, Parts
- Sales Workers, Other Commodities
- Sales Counter Clerks
- Cashiers
- Street and Door-To-Door Sales Workers

MARKETING AND SALES (cont.)
- News Vendors
- Demonstrators, Promoters and Models, Sales
- Auctioneers
- Sales Support Occupations, n.e.c.

CLERICAL
- Supervisors, General Office
- Supervisors, Computer Equipment Operators
- Supervisors, Financial Records Processing
- Supervisors; Distribution, Scheduling, and Adjusting Clerks
- Computer Operators
- Peripheral Equipment Operators
- Secretaries
- Stenographers
- Typists
- Interviewers
- Hotel Clerks
- Transportation Ticket and Reservation Agents
- Receptionists
- Information Clerks, n.e.c.
- Correspondence Clerks
- Order Clerks
- Personnel Clerks, Except Payroll and Timekeeping
- Library Clerks
- File Clerks
- Records Clerks
- Bookkeepers, Accounting, and Auditing Clerks
- Payroll and Timekeeping Clerks
- Billing Clerks
- Cost and Rate Clerks
- Billing, Posting, and Calc. Machine Operators
- Duplicating Machine Operators
- Mail Prep. and Paper Handling Machine Operators
- Office Machine Operators, n.e.c.
- Telephone Operators
- Communications Equipment Operators, n.e.c.
- Postal Clerks, Except Mail Carriers
- Mail Carriers, Postal Service
- Mail Clerks, Except Postal Service
- Messengers
- Dispatchers
- Production Coordinators
- Traffic, Shipping, and Receiving Clerks
- Stock and Inventory Clerks
- Weighers, Measurers, and Checkers
- Material Recording, Scheduling, & Distributing Clerks, n.e.c.
- Insurance Adjusters, Examiners, & Investigators
- General Office Clerks
- Bank Tellers
- Proofreaders
- Data-Entry Keyers
- Statistical Clerks
- Teacher's Aides
- Administrative Support Occupations, n.e.c.

SERVICE
- Launderers and Ironers
- Cooks, Private Household
- Housekeepers and Butlers
- Child Care Workers, Private Household
- Cleaners and Servants, Private Household
- Supervisors, Guards
- Firefighting Occupations
- Police and Detectives, Public Service
- Sheriffs, Bailiffs, and Other Law Enforcement Officers
- Guards and Police, Except Public Service
- Protective Service Occupations, n.e.c.
- Supervisors, Food Preparation and Service Occupations
- Bartenders
- Waiters and Waitresses
- Cooks, Except Short Order
- Short-Order Cooks
- Food Counter, Fountain and Related Occupations
- Kitchen Workers, Food Preparation
- Waiters'/Waitresses' Assistants
- Miscellaneous Food Preparation Occupations
- Dental Assistants
- Health Aides, Except Nursing
- Nursing Aides, Orderlies, and Attendants
- Supervisors, Cleaning and Building Service Workers
- Maids and Housemen
- Janitors and Cleaners
- Supervisors, Personal Service Occupations
- Hairdressers and Cosmetologists
- Attendants, Amusement and Recreation Facilities
- Guides
- Ushers
- Public Transportation Attendants
- Baggage Porters and Bellhops
- Child Care Workers, Except Private Household
- Personal Service Occupations, n.e.c.

FARMING, FORESTRY, AND FISHING
- Farmers, Except Horticultural
- Horticultural Specialty Farmers
- Managers, Farms, Except Horticultural
- Supervisors, Farm Workers
- Farm Workers
- Marine Life Cultivation Workers
- Nursery Workers
- Supervisors, Related Agricultural Occupations
- Groundskeepers and Gardeners, Except Farm
- Animal Caretakers, Except Farm
- Graders and Sorters, Agricultural Products
- Inspectors, Agricultural Products
- Forestry Workers, Except Logging
- Timber Cutting and Logging Occupations

MECHANICS AND REPAIRERS
- Supervisors, Mechanics and Repairers
- Automobile Mechanics
- Automobile Mechanic Apprentices
- Bus, Truck, and Stationary Engine Mechanics
- Small Engine Repairers
- Automobile Body and Related Repairers
- Aircraft Mechanics, Exc. Engine
- Heavy Equipment Mechanics
- Farm Equipment Mechanics
- Industrial Machinery Repairers
- Machinery Maintenance Occupations
- Electronic Repairers, Communications and Industrial Equipment
- Data Processing Equipment Repairers
- Household Appliance and Power Tool Repairers
- Misc. Electrical and Electronic Equipment Repairers
- Locksmiths and Safe Repairers
- Office Machine Repairers
- Specified Mechanics and Repairers, n.e.c.
- Not Specified Mechanics and Repairers

CONSTRUCTION AND EXTRACTIVE
- Supervisors, Electricians and Power Trans. Installers
- Supervisors, Plumbers, Pipefitters, and Steamfitters
- Supervisors, n.e.c.
- Brickmasons and Stonemasons
- Brickmason and Stonemason Apprentices
- Tile Setters, Hard and Soft
- Carpet Installers
- Carpenters
- Carpenter Apprentices
- Drywall Installers
- Electricians
- Electrician Apprentices
- Painters, Construction and Maintenance
- Plasterers
- Plumbers, Pipefitters, and Steamfitters
- Plumbers, Pipefitters, and Steamfitter Apprentices
- Concrete and Terrazzo Finishers
- Glaziers
- Insulation Workers
- Paving, Surfacing, and Tamping Equipment Operators
- Roofers
- Structural Metal Workers
- Drillers, Earth
- Construction Trades, n.e.c.
- Drillers, Oil Well
- Mining Occupations, n.e.c.

PRODUCTION
- Supervisors, Production Occupations
- Tool and Die Makers
- Tool and Die Maker Apprentices
- Precision Assemblers, Metal

PRODUCTION (cont.)
- Machinists
- Machinist Apprentices
- Precision Grinders, Fitters, and Tool Sharpeners
- Patternmakers and Model Makers, Metal
- Lay-Out Workers
- Sheet Metal Workers
- Sheet Metal Worker Apprentices
- Miscellaneous Precision Metal Workers
- Cabinet Makers and Bench Carpenters
- Furniture and Wood Finishers
- Miscellaneous Precision Woodworkers
- Tailors
- Upholsterers
- Miscellaneous Precision Apparel and Fabric Workers
- Patternmakers, Lay-Out Workers and Cutters
- Optical Goods Workers
- Dental Lab and Medical Appliance Technicians
- Bookbinders
- Electrical and Electronic Equipment Assemblers
- Miscellaneous Precision Workers, n.e.c.
- Butchers and Meat Cutters
- Bakers
- Food Batchmakers
- Inspectors, Testers, and Graders
- Miscellaneous, Plant and System Operators
- Lathe and Turning Machine Set-Up Operators
- Milling and Planing Machine Operators
- Punching and Stamping Press Machine Operators
- Drilling and Boring Machine Operators
- Grinding, Abrading, Buffing, and Polishing Operators
- Misc. Metal, Plastic, Stone and Glass Working Operators
- Fabricating Machine Operators, n.e.c.
- Molding and Casting Machine Operators
- Metal Plating Machine Operators
- Heat Treating Equipment Operators
- Misc. Metal and Plastic Process. Operators
- Wood Lathe, Routing, and Planing
- Sawing Machine Operators
- Miscellaneous Woodworking Machine Operators
- Printing Machine Operators
- Photoengravers and Lithographers
- Typesetters and Compositors
- Misc. Printing Machine Operators
- Textile Sewing Machine Operators
- Pressing Machine Operators
- Laundry and Dry Cleaning Machine Operators
- Miscellaneous Textile Machine Operators
- Cement and Gluing Machine Operators
- Packaging and Filling Machine Operators

PRODUCTION (cont.)
- Painting and Paint Spraying Machine Operators
- Slicing and Cutting Machine Operators
- Photographic Process Machine Operators
- Miscellaneous Machine Operators, n.e.c.
- Machine Operators, Not Specified
- Welders and Cutters
- Solderers and Brazers
- Assemblers
- Hand Cutting And Trimming Occupations
- Hand Molding, Casting, and Forming Occupations
- Hand Painting, Coating, and Decorating Occupations
- Hand Engraving and Printing Occupations
- Hand Grinding and Polishing Occupations
- Miscellaneous Hand Working Occupations
- Production Inspectors, Checkers and Examiners
- Production Testers
- Production Samplers and Weighers
- Graders and Sorters, Except Agricultural

TRANSPORTATION AND MATERIAL MOVING
- Truck Drivers, Heavy
- Truck Drivers, Light
- Driver-Sales Workers
- Bus Drivers
- Taxi Cab Drivers and Chauffeurs
- Parking Lot Attendants
- Motor Transportation Occupations, n.e.c.

TRANSPORTATION AND MATERIAL MOVING (cont.)
- Rail Vehicle Operators, n.e.c.
- Sailors and Deckhands
- Marine Engineers
- Excavating and Loading Machine Operators
- Grade, Dozer, and Scraper Operators
- Industrial Truck and Tractor Equipment Operators
- Misc. Material Moving Equipment Operators

MATERIAL HANDLERS, EQUIPMENT CLEANERS, AND MISCELLANEOUS OCCUPATIONS
- Homemakers
- Supervisors; Handlers, Equip. Cleaners and Laborers, n.e.c.
- Helpers, Mechanics and Repairers
- Helpers, Construction Trades
- Helpers, Surveyor
- Helpers, Extractive Occupations
- Construction Laborers
- Production Helpers
- Garbage Collectors
- Stock Handlers and Baggers
- Freight, Stock, and Material Movers, Hand, n.e.c.
- Garage and Service Station Related Occ.
- Vehicle Washers and Equipment Cleaners
- Hand Packers and Packagers
- Laborers, Except Construction

APPENDIX D

BASE DATA CODING FORM

BASE DATA CODING FORM

☐☐☐ Student ☐☐☐☐ School

1. Student Name: _____ 2. Phone No. _____

3. Student Address: _____

4. Parent's Name: _____ 5. Phone No. _____

6. Parent's Address: _____

7. Other Contact (i.e., relative or friend): _____

Class ___ ___

Sex ___

SCAT Percentile ___ ___

PSAT Percentile ___ ___

Class Rank ___ ___ ___

Exit Status ___

Handicap ___ ___

EDUCATIONAL PROGRAMS **Vocational Program Areas In Bold Type**

___ **Agriculture**

___ Art

___ Business

___ **Distributive Education**

___ English Language Arts

___ Foreign Language

___ **Health Occupations**

___ Health, Physical Education, Rec.

___ **Home Economics**

___ Industrial Arts

___ Mathematics

___ Music

___ Natural Sciences

___ **Office Occupations**

___ **Service Occupations**

___ Social Science/Studies

_0_ **Technical Education**

___ **Trade and Industrial Education**

Vocational Major ___ ___

SPECIAL VOCATIONAL PROGRAMS

___ Limited English Speaking

___ Disadvantaged

___ Handicapped

___ Cooperative Education

___ Work Study

RACIAL/ETHNIC DECLARATION

___ Am. Indian/Alaskan Native

___ Asian or Pacific Islander

___ Black (not Hispanic origin)

___ Hispanic

___ White (not Hispanic origin)

___ Unspecified

SUB-GROUPS

___ 1 ___ 6

___ 2 ___ 7

___ 3 ___ 8

___ 4 ___ 9

___ 5 ___ 10

FILE NUMBER _____

EDIT NEEDS:

APPENDIX E

CAREER PLANNING SURVEY QUESTIONNAIRE

CAREER PLANNING SURVEY

PLEASE READ CAREFULLY: This survey asks questions about you and your family, your plans after leaving high school, and your high school classes. Your answers to this survey will only be available to local school personnel. No information will be released which will allow the identification of your individual responses. Your responses will be combined with the responses of your classmates to help evaluate and improve the educational programs at your school. You are not required to provide the information requested. If you **do not** want to answer a question, just leave it blank. Your answers are voluntary—there is no penalty for not answering any or all questions. By completing the questionnaire, you are giving permission to use this data. If you have any questions, please ask the person who is administering this questionnaire.

POST HIGH SCHOOL PLANS

Please mark the major activities which you plan to be involved in **one year after leaving high school.** You may respond to **both** the employment and education sections. Please mark the areas that apply to you.

1. **Next May** I will be attending: *(Check one answer)*
   - _____ Vocational School
   - _____ Community College
   - _____ College or University
   - _____ Apprenticeship Training
   - _____ Other Education
   - _____ No Education Plans (SKIP TO ITEM NO. 7)
2. I plan to attend school:
   _____ Part-Time _____ Full-Time
3. The school I plan to attend is _____
4. My major area of study will be _____
5. I will need help getting money for my schooling:
   _____ Yes _____ No (SKIP TO ITEM NO. 7)
6. The major source of money for my schooling will come from: *(Check one answer)*
   - _____ Loans
   - _____ Scholarships
   - _____ Parents
   - _____ Part-Time Employment
   - _____ Savings
   - _____ Other, Please specify: _____
7. **Next May** I plan to be: *(Check one answer)*
   - _____ Employed
   - _____ In the Military (Full-Time)
   - _____ A Homemaker (Full or Part-Time)
   - _____ Unemployed (Looking for Work)
   - _____ Other (Vacation, Travel, etc.)
   - _____ No Employment Plans

   (SKIP TO ITEM NO. 11)
8. I plan to work:
   _____ Part-Time _____ Full-Time
9. My job title **next May** will be: *(Example: carpenter, secretary, truck driver, etc)*

   _____
10. The type of company I plan to work for is: *(Example: construction, manufacturing, grocery store, transporation, etc)*

    _____
11. **How sure are you about your plans as listed above:** *(Check one answer)*
    - _____ Very Sure
    - _____ Fairly Sure
    - _____ A Little Unsure
    - _____ Very Unsure

☐☐☐ STUDENT

☐☐☐☐ SCHOOL

NAME _____ **SEX:**____ **MALE** ____**FEMALE**

MAILING ADDRESS _____

HIGH SCHOOL PROGRAM

12. The classes that I took in high school **were primarily related** to: *(Check only one answer)*
    - _____ Not specialized in any area (General Education)
    - _____ Going to college (College Preparation)
    - _____ Exploring kinds of work (Vocational Exploration)
    - _____ Learning a job or a trade (Vocational Training)
    - _____ On-The-Job Training/ Cooperative Education
    - _____ Art, Drama, Music (Fine Arts)
    - _____ Other, Please Specify _____

13. The person who most helped me plan my high school classes was: *(Check only one)*
    - _____ No one (I did it myself)
    - _____ Parent
    - _____ Friend
    - _____ Counselor
    - _____ Teacher
    - _____ Other, Please specify _____

14. I am satisfied with my choice of high school classes: *(Check only one)*
    - _____ Yes (SKIP TO ITEM NO. 17)
    - _____ No (ANSWER ITEMS 15 & 16)

15. Please select the major area of study you would take if you could start your high school classes over. *(Check only one)*
    - _____ Not specialized in any area (General Education)
    - _____ Going to college (College Preparation)
    - _____ Exploring kinds of work (Vocational Exploration)
    - _____ Learning a job or a trade (Vocational Training)
    - _____ On-The-Job Training/ Cooperative Education
    - _____ Art, Drama, Music (Fine Arts)
    - _____ Other, Please Specify _____

16. Please indicate the reason for not being satisfied with your present high school classes. *(Check only one)*
    - _____ Schedule Conflicts
    - _____ Discouraged by Others
    - _____ Classes Too Full
    - _____ Personal Goals Changed
    - _____ Lack of Time
    - _____ Other, Please Specify _____

PARENTAL INFORMATION

17-18. Please check the status of your parents.

	Father or Male Guardian	Mother or Female Guardian
Living with the Family	_____	_____
Deceased	_____	_____
Separated from the Family	_____	_____

19-20. Please check the highest level or education achieved by your parents.

	Father or Male Guardian	Mother or Female Guardian
Some grade school or less	_____	_____
Completed eighth grade	_____	_____
Some high school	_____	_____
High school graduate	_____	_____
Business or Trade School	_____	_____
Some college	_____	_____
College graduate	_____	_____
Post-Graduate (MA, PhD, Law)	_____	_____

21. What is the occupation of your father or male guardian? *(Example: dairy farmer, carpenter, engineer, etc.)*

_____

22. What is the occupation of your mother or female guardian? *(Example: homemaker and secretary, elementary school teacher, lawyer, etc.)*

_____

THANK YOU FOR YOUR TIME AND ANSWERS

APPENDIX F

HIGH SCHOOL FOLLOW-UP REPORT FORM

School ☐☐☐☐

HIGH SCHOOL FOLLOW-UP QUESTIONNAIRE

Student ☐☐☐☐

PLEASE COMPLETE AND RETURN THE FORM BELOW.

1. Name _____ (_____)
   Last First Middle Initial Maiden

2. Address _____

   _____ Phone _____

3. Recent History: For each time period column in the YEAR FOLLOWING HIGH SCHOOL, check (,) the activities in which you were involved. Check at *least* one activity for each column. Note that you may respond to *both* the employment and education sections. Mark as many as apply to you.

Activity	Time Periods After Leaving High School: Sept.-Nov.	Dec.-Feb	Mar.- May	
Education (Check all that apply):				
3.1 Vocational School	( )	( )	( )	If you marked here, complete no. 5 below.
3.2 Community College	( )	( )	( )	
3.3 College or University	( )	( )	( )	
3.4 Apprenticeship	( )	( )	( )	
3.5 Other Education Specify _____	( )	( )	( )	
Employment (Check all that apply):				
3.6 Paid Employment	( )	( )	( )	If you marked here, complete no. 4 below.
3.7 Homemaker (full or part time)	( )	( )	( )	
3.8 Military (full time)	( )	( )	( )	
3.9 Unemployed (looking for work)	( )	( )	( )	
Other Activity (For example: ill, vacation, etc.):				
3.10 Specify _____	( )	( )	( )	

PLEASE CIRCLE THE ACTIVITY IN THE LAST (MAR.- MAY PERIOD) COLUMN THAT YOU CONSIDER TO BE YOUR MAJOR ACTIVITY AT THE TIME.

4. Mar.- May Paid Employment Activity

   4.1 Hours Per Week You Work:
   1. Less than 30 ( )
   2. 30 or more ( )

   4.2 Job Title: _____

   4.3 Job Duties: _____

   _____

   4.4 Relatedness To Your High School *Vocational Training*: My present job is (Mark only One)
   1. Closely Related ( )
   2. Somewhat Related ( )
   3. Not Related ( )

   4.5 Months On This Job *Since Leaving High School*:

   _____

   4.6 Employer (Company or Business name. If self employed, write "Self.")

   _____

   4.7 Employer's Address _____

   _____

   4.8 Kind of Business (For example: Farming, Shoe Store):

   _____

   4.9 Supervisor's Name: _____

   4.10 Present Hourly Income: _____

5. Mar.- May Education Activity

   5.1 Hours Per Week You Attend:
   1. 1 to 12 ( )
   2. 13 to 18 ( )
   3. 19 or more ( )

   5.2 School Name: _____

   5.3 School Address: _____

   _____

   5.4 Major Area or Program (For example: Auto Mechanic, Elementary Teaching)

   _____

   5.5 Intended Occupation After Completing Education (For example: Carpenter, Legal Secretary, Undecided):

   _____

THANK YOU FOR YOUR HELP!
PLEASE RETURN YOUR *COMPLETED* QUESTIONNAIRE IN THE RETURN MAIL TODAY

APPENDIX G

EMPLOYER FOLLOW-UP FORM

NAME OF FORMER STUDENT _____ ☐☐☐ STUDENT ☐☐☐ DISTRICT ☐ BLDG

EMPLOYER FOLLOW-UP FORM

NOTE: This report is authorized by law (20 USC 2312 and 20 USC 2391). While you are not required to respond to this survey, your cooperation is needed to insure that the results of this effort are comprehensive, reliable and timely. No student identifiers will be forwarded to the Federal government.

THE FEDERAL GOVERNMENT REQUIRES THE FOLLOWING FIVE QUESTIONS BE ASKED:

PREPAREDNESS FOR THE JOB

Please rate the above individual in the following items:

	Very Good	Good	Average	Poor	Very Poor
1. Technical knowledge/skills	___	___	___	___	___
2. Work attitude	___	___	___	___	___
3. Work quality	___	___	___	___	___
	(1)	(2)	(3)	(4)	(5)

OVERALL RATING

4. What is your overall rating of the education received by this individual as it relates to the requirements of his/her job?

Very Good	Good	Average	Poor	Very Poor
___	___	___	___	___
(1)	(2)	(3)	(4)	(5)

RELATIVE PREPARATION

5. How would you rate his/her preparation in relation to other employees doing similar work?
   - (1)___ No basis for comparison
   - (2)___ Individual is better prepared
   - (3)___ Both are about the same
   - (4)___ Individual is less prepared

THE SCHOOL DISTRICT WOULD FIND IT EXTREMELY USEFUL IN WORKING TOWARD PROGRAM IMPROVEMENT IF YOU WOULD RESPOND TO THE FOLLOWING TEN STATEMENTS:

This person has demonstrated:	Strongly Agree	Agree	No Opportunity To Observe	Disagree	Strongly Disagree
6. an ability and willingness to learn new skills and concepts	___	___	___	___	___
7. adaptability to changing job situations	___	___	___	___	___
8. the ability to offer constructive dissent in a non-hostile manner	___	___	___	___	___
9. the ability and willingness to follow verbal and written instructions	___	___	___	___	___
10. the ability to keep accurate records	___	___	___	___	___
11. the ability to communicate effectively	___	___	___	___	___
12. successful interpersonal relationships with co-workers and supervisors	___	___	___	___	___
13. an understanding of the rights and responsibilities of employees and employers	___	___	___	___	___
14. appropriate computation skills	___	___	___	___	___
	(1)	(2)	(3)	(4)	(5)

15. Would you consider hiring others from this school? ___ Yes (1) ___ No (2)

COMMENTS: Feel free to use the back of this form or attach additional sheets.

THANK YOU FOR YOUR HELP